6-15-'90 EUGENE R. MALONEY

(6)

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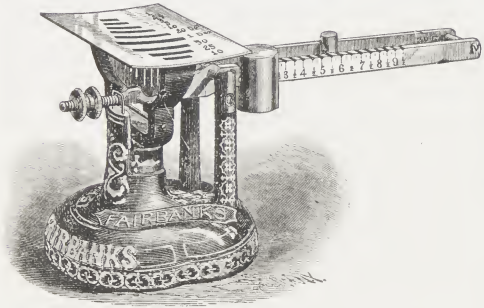
	6/.	.	.	1		1	7	.	.	1¼	
6	3/	NB 24 Grains a penny wt. 20 pen.y wt. 1 Oz.									
5	1/6/	Sold by R.d Billings in Corn-Hill Boston									

Part of Label on
George Malkin
Scale

THE

POSTAL COIN SCALE.

UNITED STATES GOVERNMENT STANDARD.



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Gives Weight, Diameter, and Thickness of all Gold and Silver Coins.

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Estimates for the Manufacture of Patented articles made without charge.
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Price by mail, 25 cents. One Dozen, $2.

Sizes of Coin Holders, $[illegible] Halves; $5 [illegible] Quarters; $2.50 [illegible] Dimes.
Prices of Coin Holders, Halves and Quarters, 75 Cents per Gross, Dimes 65 Cents.
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THE [illegible]
STAMP WORKS.

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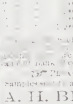

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THIRTEEN SIZES
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Samples sent to any address on application.

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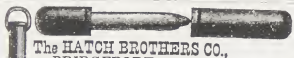

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I have examined your Coin Test and find that for detecting spurious coin, it is equal to liquid acid; and that for convenience in carrying, and the ease and quickness with which it can be used, it is superior to any test that has been tried in this Office.

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With dates $1 extra.
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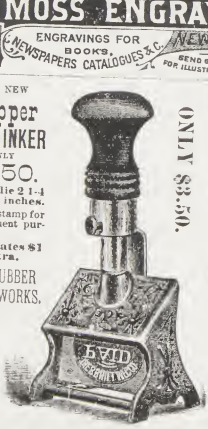

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	GOLD.	Per 100		SILVER.	Per 100
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" 2, "	250,	1 85	" 9, "	100,	4 00
" 3, "	500,	2 20	" 10, "	200,	5 00
" 4, "	1,000,	3 00	" 11, "	300	6 00
" 5, "	2,000,	4 50	" 12, "	500,	7 50
" 6, "	5,000,	5 00	" 13, "	1,000,	10 75
" 7, "	10,000,	7 50			

The bags are made with tape attached for tying conveniently, and are marked on both sides with the amounts they are to hold, unless otherwise ordered. Name of Bank 50 cents per hundred additional.

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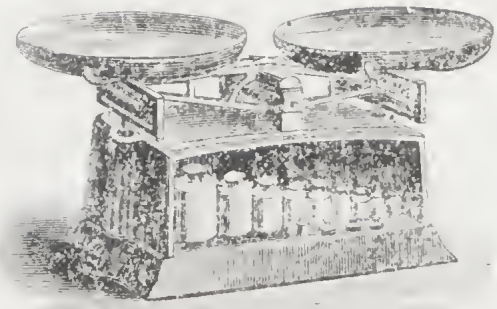

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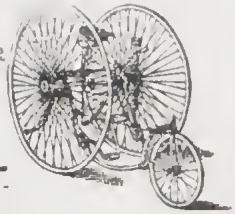

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Silver Legal Tender, $1, 50 cts., 25 cts.

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Respectfully,
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Gives weight, diameter and thickness, three tests the counterfeiter cannot overcome.

Gold and Silver being so largely in circulation, gives to counterfeiters and those engaged in sweating, abraiding, filing, clipping or making light coin, a large field for operation, which they energetically use to an enormous extent. The "**United States**" will quickly detect counterfeit or light weight coin. **Elegantly nickle-plated and mounted on metal stands, and always ready for use; mailed to any part of the country for $2.50.**

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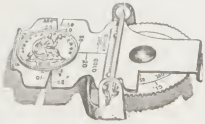

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Thompson's Bank Note & Commercial Reporter 1/1/53 N.Y. (last page, 1 mo)

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Frag. p. 109

~~Gold Scales~~ —

a few ~~medium sized gold scales, with~~ weights ~~Brownmaker N Y just recd~~

GOLD SCALES — a few medium-sized gold scales, with weights; Brownmaker N.Y., just received and for sale;

from Alta California
Apr. 14, 1850

not used.
in book

Gold Rush

Kagen p. 53

San Fran jeweler said
"All kinds of weights were used, many of them
fraudulent. One style of weighing that found
favor in the mines was to use two empty
sardine ~~tins~~ boxes as balances, with a silver
dollar as an ounce weight."
A silver dollar weighs less than 1 oz

(These boxes are wood boxes with a slide
top and were for salted fish.)

not used in book.

DIAL COIN TESTER

DIRECTIONS

Let us test or examine a 50 cent piece. Move the dial to the right with thumb and finger so that the mark 50 is at index. Place the coin on face at left side so that the edge touches the lip. Lined up, and it will balance as genuine. Should it appear to be larger than usual you may test the size (diameter and thickness). On left end are two scales, one side for gold and the other for silver coin, which will be readily understood. The thickness will vary in coin, owing to milling at edge. It should be tried in about three places and it will average about the mark set for each coin. Coin worn by handling will measure a trifle less. The danger is the ~~in~~ coin measuring larger than the scale indicates. The jingle should be tried in doubtful pieces which is always good in genuine coin. All other pieces gold and silver are tested in the same way.

Penny Post —
Oct 4, 1837

O'CLOCK for
.mden and
t 2½ P. M.
by Steam-
ou at 1 o'-

y morning
lphia and
:4 o'clock,
via at 1 o'-
o'clock.—

all Stage

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t-Road Of-
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excepted,
om the of-
d Willow
ke the ex-
Princeton
Trenton to

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Services in case of opposition. Money procured on Mortgages and other Collateral Securities; Notes of Hand and Drafts discounted, and generally in the performance of all duties or services wherein the aid of an Attorney or Agent may be convenient or useful.

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Scales for Banks,
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Do. Druggists,
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TO THE CITIZENS GENERALLY.

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Gold Scales and Weights

Pocket Scale

begins p. 1. col 2 thru Dec 11 1837

Dec 18 1837

Dec 20 no more

Oct 2, 1837

UNITED STATES PATENT OFFICE.

FREDERICK W. TROEMNER, OF PHILADELPHIA, PENNSYLVANIA.

DESIGN FOR BASE FOR COUNTER-SCALES.

Specification forming part of Design No. 9,743, dated February 13, 1877; application filed January 10, 1877.
[Term of Patent 7 years.]

To all whom it may concern:

Be it known that I, FREDERICK W. TROEMNER, of Philadelphia, Pennsylvania, have produced or invented a new and original Design for a Base for Counter-Scales, of which the following is a specification:

The nature of my design is fully represented in the accompanying perspective drawing, in which A represents a base for counter scales, and B a projection or ledge, formed on one side of the base, and having a number of circular orifices, *a*, of different diameters.

The base is of oblong shape, and is composed of the members *b*, *d*, and *e*, of a character substantially as represented in the drawing, the lowermost member being furnished with feet *f*, one at each corner, as shown.

What I claim is—

The design for a base for scales, consisting of the base proper A and the ledge B, with its orifices *a*, all substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses.

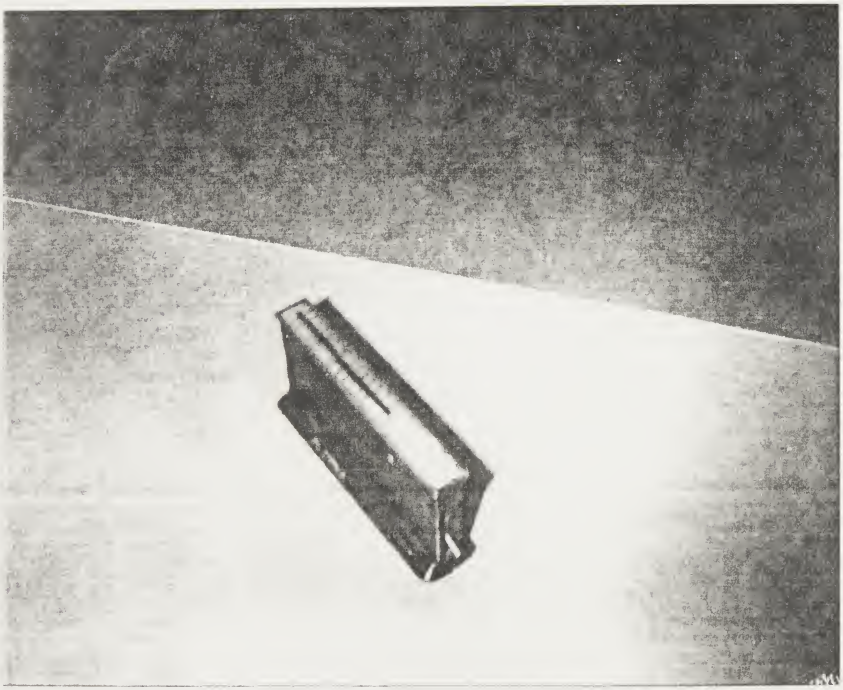
FREDERICK W. TROEMNER.

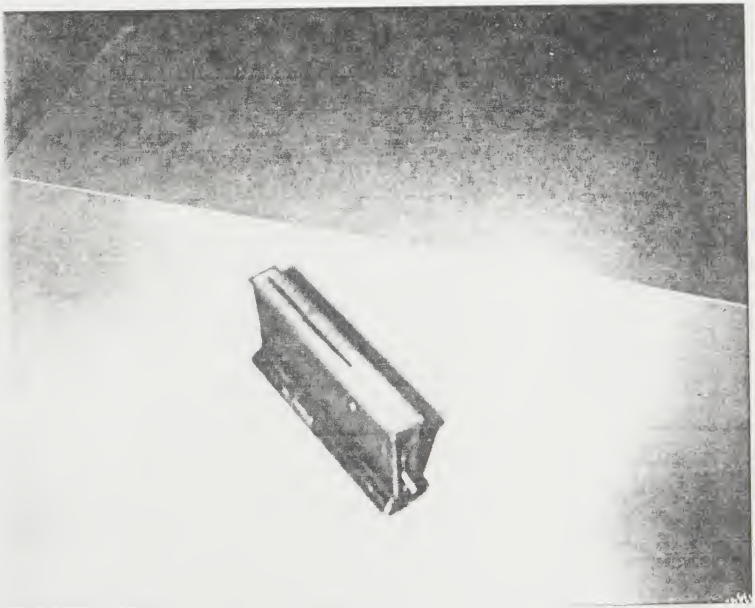
Witnesses:
HERMANN MOESSNER,
HARRY SMITH.

9743

Phil. Public Library 1/31/95

No drawing shown in Gazette





A typical gold miner's scale and weights. (Author's collection)

same. In either case the miner frequently netted only $6 to $8 an ounce, after paying commissions, transport charges, insurance, etc., although the dust was worth $16 to $18 at the mints. By July 1848, merchants and miners of the West were becoming disgusted with the deplorable monetary conditions.

Those who possessed dust or nuggets wanted to spend them for goods. These goods were primarily imported and not only did the sellers want silver or gold coins in exchange for them, but the customs officer also demanded hard money before he would release imported cargo from bond. Coins, therefore, were hoarded and brought substantial premiums, leaving dust to be used as a less-than-ideal medium of exchange, subject to many types of abuse. As imports into California mounted, so did the need for alleviating the monetary difficulty.

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Cards, &c., Press $3. Large sizes for circulars, &c., $8 to $90. For pleasure, money-making, young or old. Everything easy, printed instructions. Send 2 stamps for Catalogue of Presses, Type, Cards, &c., to the factory.

EXCELSIOR

KELSEY & CO., Meriden, Conn.

POSTAL COIN SCALE.

The Postal Coin Scale, illustrated in this week's SCIENTIFIC AMERICAN, is a necessity to any business man. Sent prepaid on receipt of $5. Agents wanted. Address for terms, and make drafts or money orders payable to GEO. F. JUNE & CO., 267 Broadway, N.Y.

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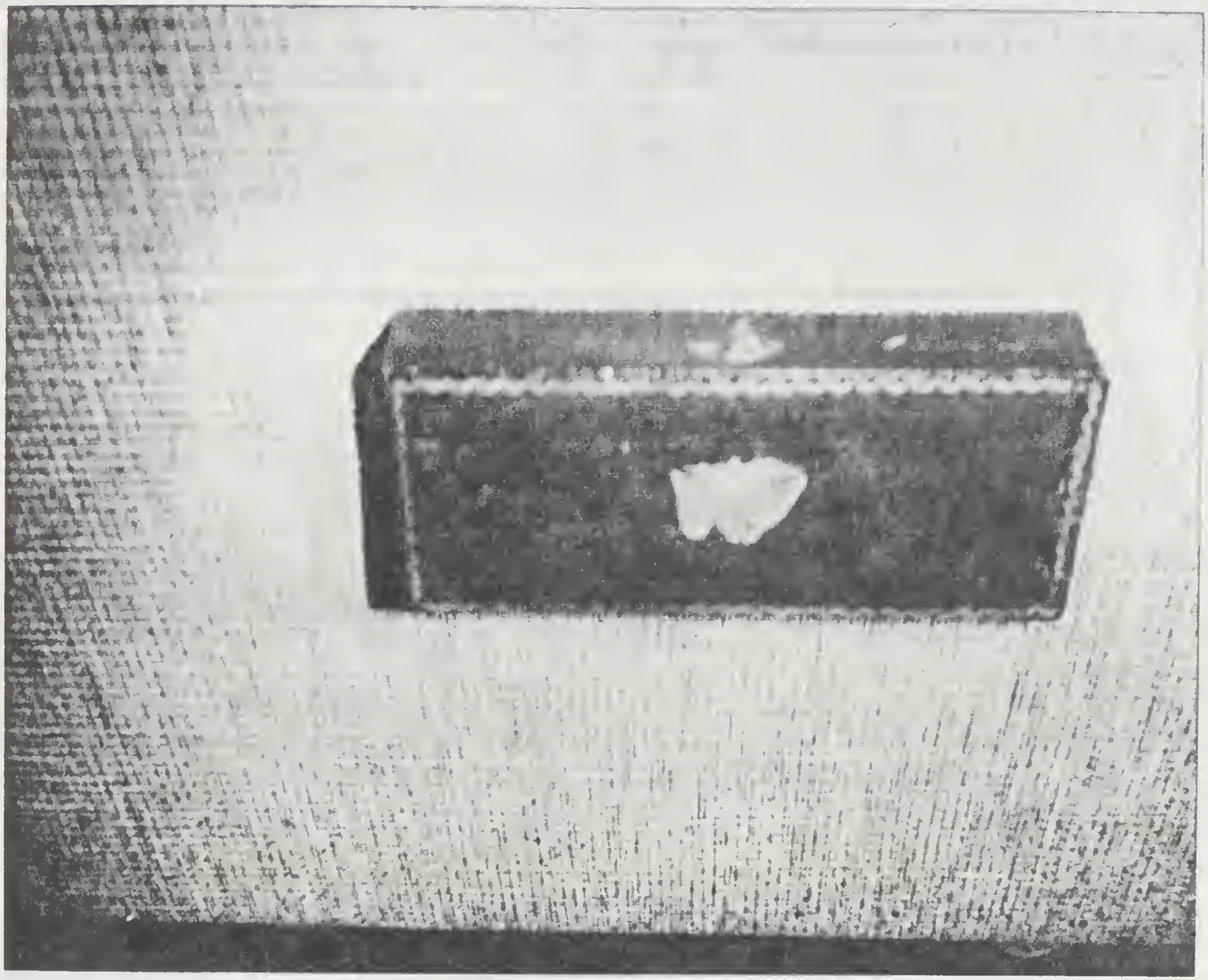
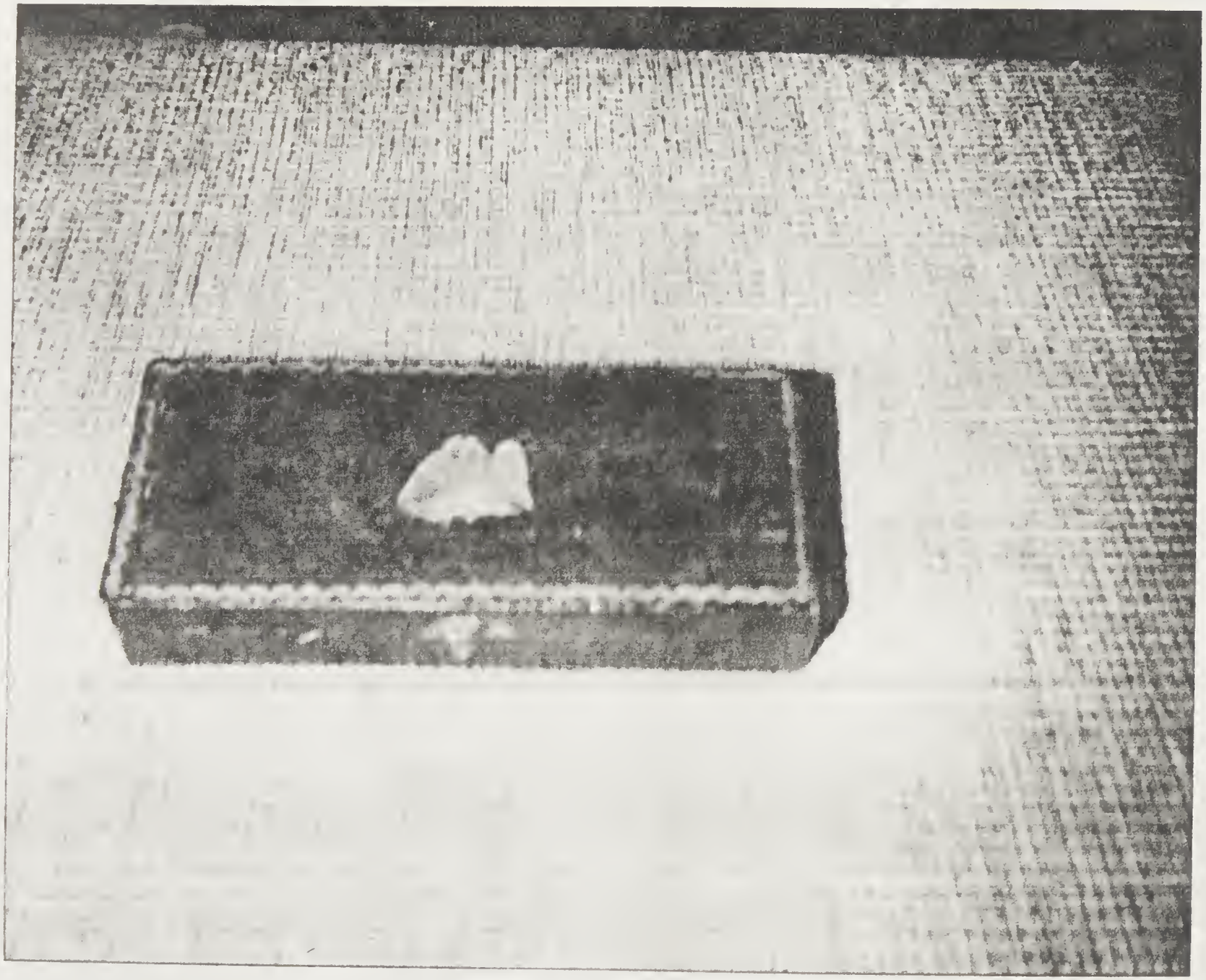
☞ HARPER & BROTHERS will send any of the above works by mail, postage prepaid, to any part of the United States, on receipt of the price.

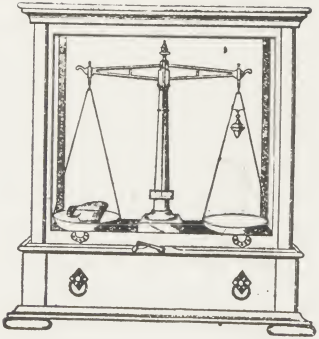
Feb 3 1883 Harpers Weekly p 80

Hong





BANKERS' SCALES.



SPECIE BALANCE. Fig. 1.

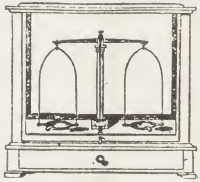
BALANCE FIG. 1. Very superior balance, in a fine polished mahogany case, with counterpoised door sliding upwards. Capacity of balance, 500 dollars silver, or 5,000 dollars gold. Can be used for weighing either. Has an extra scoop for loose coin. *A full set of Troy weights, which are fitted in the drawer of case, are included.*

Price $100 00

Same balance without a glass case, and mounted on a mahogany plalform, ... $75 00

BALANCE FIG. 87. Capacity 1,000 silver dollars; for weighing either silver or gold coin; has an extra scoop for loose coin; on a mahogany platform; with screw feet and level. Balance is of the finest finish.

Price (without weights) $115 00



GOLD COIN SCALE. Fig. 2.

Scale is specially designed for weighing single *Coins*, to ascertain if *counterfeit* or if below the current standard. In a fine mahogany case, with door sliding upward. Price includes a full set of Coin Weights. Read instructions in drawer.

Price $28 00

Catalogue No. 348
August 1, 1902
Illustrative Price List
E and T Fairbanks and Company
St Johnsbury, Vermont

Gold and Silver Coin Scales.

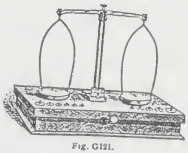


Fig. G121.

With weights showing least current weight of the gold and silver coinage of the United States.

Price, on box, with set of either Gold or Silver Weights, $20.00
" " " both Gold and Silver Weights 24.00
" " " Arrest for Pans and either set of Weights..... 26.00
Price, on box, with Arrest for Pans and both sets of Weights..... 30.00
If scale is wanted in glass case, add $12.00 to above.

COINAGE TABLE.

Standard weight, Tolerance and Minimum legal weight of New Coins, least current weight of old coin, and fineness of United States Coinage, under the Coinage Act of 1873, approved Feb. 12, 1873, and Feb. 28, 1878, with standard weight of fine metal and amount of legal tender.

Coinage.	Denomination.	Standard Weight in Grains.	Tolerance in Grains.	Minimum Legal Weight of New Coins, less Tolerance, in Grains.	Least Current Weight, in Grains.	Pure Metal. Grains.	Amount Legal Tender in Payment of Debts, Public and Private.
Gold	2½ D	64.5	¼	64.25	64.178	58.05	Unlimited
"	5 "	129.	¼	128.75	128.355	116.10	"
"	10 "	258.	½	257.50	256.71	232.20	"
"	20 "	516.	½	515.50	513.42	464.40	"
Silver	10 C	38.58	1½	37.08		34.722	$10 and one payment
"	25 "	96.45	1½	94.95		86.805	
"	50 "	192.9	1½	191.4		173.61	
"	100 "	412.5	1½	411.		371.25	Unlimited

Coin Scales.

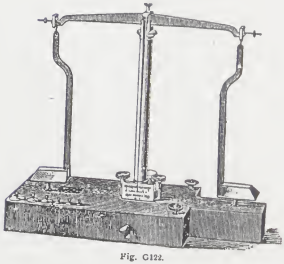


Fig. G122.

FOR TESTING SINGLE PIECES.

This Scale is a new departure from former principles; the bows are hung by stirrups with drop-pins underneath the pans which are attached to the lever; a slight pressure on the lever is only necessary to put the Scale in instant motion. This avoids all swinging of beam and coin-pans—which makes weighing on the old style so uncertain that a coin needs testing several times to get a correct result. By this Improved Scale, all this is avoided and the result is shown immediately, as there is no oscillation.

These Scales are furnished with screw feet and spirit level, so that they can be set level on any table, and include a full set of gold coin weights, from $20 down to $1, least current value, neatly set in base of Scale (as shown in cut) convenient for use.

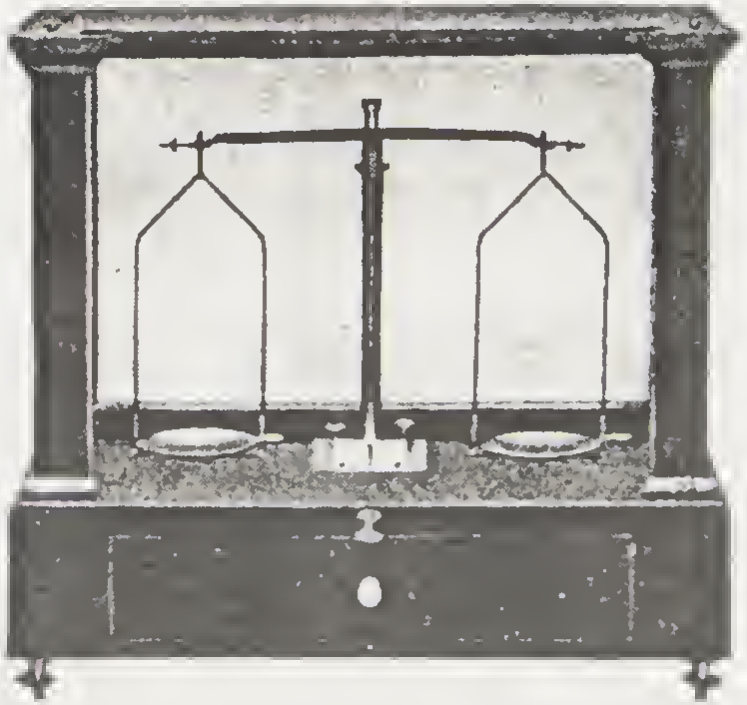
☞Foreign weights substituted without extra cost.

These Scales are now in use in most of the U. S. Treasuries and a number of banks, giving the greatest satisfaction as shown by the numerous testimonials received.

Price of New Style Scale complete, with Weights on base..... $30.00
In Improved Glass Case, with Weights..... 45.00

GOLD COIN BALANCE, FIG. 2823

This balance is the same as the Fig. 2822 Balance except that it is mounted in mahogany case with counterpoised front door, screw leveling feet and level. Price includes a set of Least Current Weights.



No.	Code Word	Capacity	Sensibility	Dia. Pans	Length Beam	Price Steel Bearings
2823	Hopom	2 oz	1/50 grain	3"	6"	.....

NEW INVENTION.

United States Gold and Silver Counterfeit

COIN DETECTOR.

SHOWING AT ONCE THE THREE TESTS, BY WEIGHT, DIAMETER AND THICKNESS.

PRICE $2.50 EACH.

The resumption of specie payment and the current use of gold and silver coin has given counterfeiters a new field of operation, which they have already energetically improved by the issue of various "Trade" and new "Legal Tender" United States Silver Pieces, with complete imitations of this small coin of base metal, in great quantities. Recently, a number of exceedingly dangerous counterfeits of United States Gold Coins, of various denominations, have been manufactured on a large scale, and, with any amount of care or caution, are so cunningly skilled into circulation.

The attention of bankers and men of business is especially invited to the "Coin Detector" herein advertised. And, be it, it is the best Coin Scale in existence adapted to common use, and is far the cheapest, considering the quality of the article and its general usefulness.

N. B.—Agents wanted in all parts of America: for sample outfit and terms, forward $3.00 to

JOHN S. DYE,

1338 CHESTNUT ST., (Opp. United States Mint.) PHILA., PA.

Established in 1840.

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719 MARKET STREET, PHILADELPHIA.

MANUFACTURER OF

BANK SCALES AND Bullion Balances

BANK SCALES AND Bullion Balances.

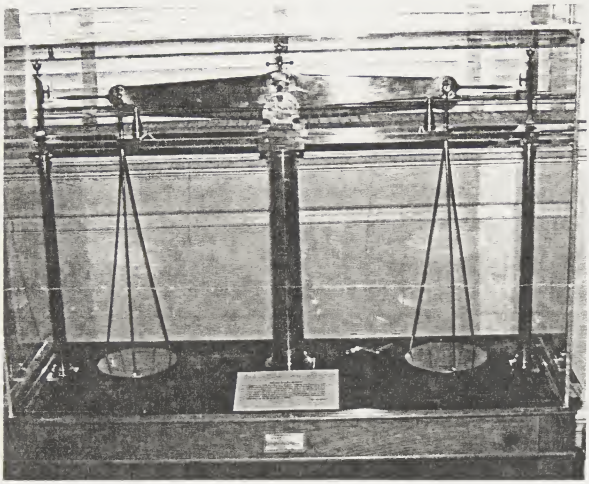
COIN SCALES,

IN USE AT ALL THE UNITED STATES MINTS AND IN EVERY DIVISION OF THE TREASURY DEPARTMENT.

CATALOGUE ON APPLICATION.

Dye's Sent of U.S. Coins

May 1879 Phila



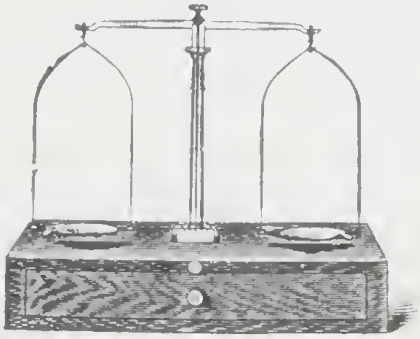
BALANCE SCALE, c. 1844-1845

Congress in 1838 directed the Office of Weights and Measures, then headed by Ferdinand Hassler (APS, 1807), to distribute standard measures of weight to each state of the Union. The project was carried out under his successor, Alexander Dallas Bache (APS, 1829), and by Joseph Saxton (APS, 1837), the great maker of scientific instruments. This is believed to be Saxton's internal test instrument kept at the Bureau. This scale was given to Allen V. Astin (APS, 1959) at his retirement as head of that Bureau of Standards. It was given by him to the Society in 1980. It stands in their Library to this date, 1996.

(APS)=American Philosophical Society Acc. No. 1980.2

A "Show & Tell" Report on the above was given by Emil Cohn, Jr at the New Orleans Meeting of ISASC, May/June 1996.

GOLD COIN BALANCE, FIG. 2822

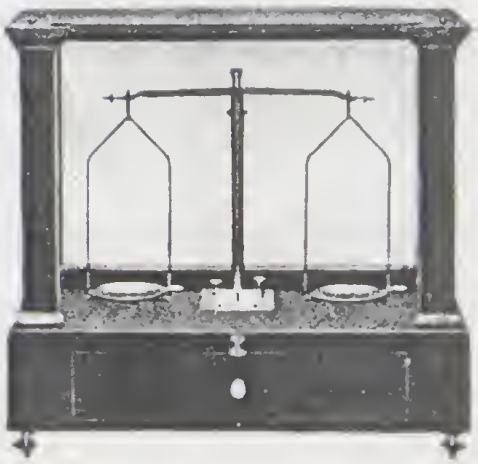


This balance is mounted on a mahogany box with drawer; has a set of Least Current Weights supplied with it; has steel knives and bearings. Its operation is the same as described for Fig. 2820, except it has no rider and small weights must be used to establish the value.

No.	Code Word	Capacity	Sensibility	Dia. Pans	Length Beam	Price Steel Bearings
2822.	Hopin	2 oz.	1/50 grain	3″	6″	.....

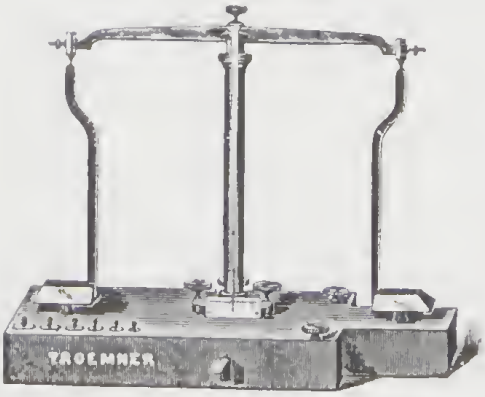
GOLD COIN BALANCE, FIG. 2823

This balance is the same as the Fig. 2822 Balance except that it is mounted in mahogany case with counterpoised front door, screw leveling feet and level. Price includes a set of Least Current Weights.



No.	Code Word	Capacity	Sensibility	Dia. Pans	Length Beam	Price Steel Bearings
2823.	Hopom	2 oz.	1/50 grain	3″	6″	.....

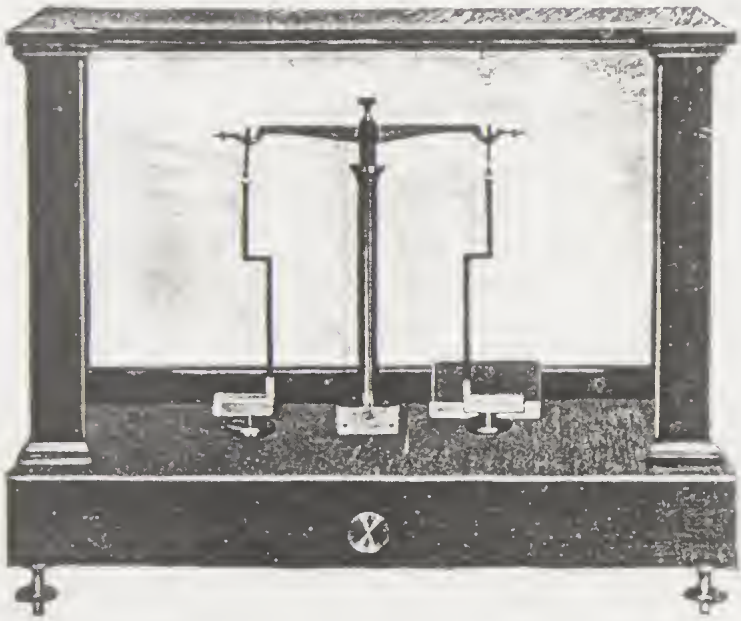
COIN BALANCE, FIG. 260



This balance is designed for very rapidly ascertaining the least current value of coin. It can be set up on a counter or shelf, and the coins, one at a time, passed over the right-hand pan in rapid succession. This end of the hardwood platform is shaped so as to allow the coins to be pushed off the pan and fall into a receptacle in rapid succession. Balance is fitted with screw-leveling feet and level and a set of Least Current Weights for $20.00 down (fitted into the platform) are supplied.

		Price
No. 260	Code Word, Dependence	.....

GOLD COIN BALANCE, FIG. 2690



This balance is the most practical balance for the accurate and rapid determination of the current values of coin.

The balance is mounted in a polished mahogany case, with glass sashes at back and at both ends. The front sash is counterpoised, sliding up and down and remaining at any placed position. It is supplied with screw leveling feet and vial levels that will never leak out.

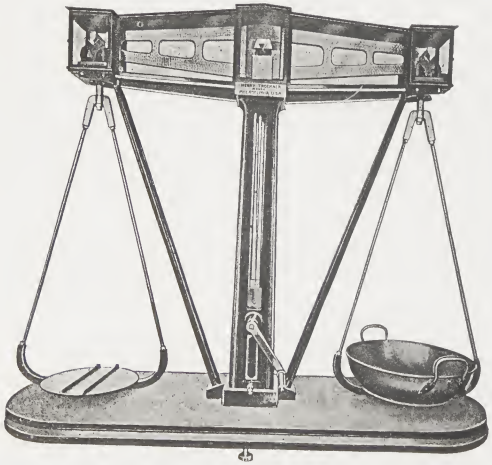
This case is provided with a trapdoor (directly back of the right-hand plate), covering a chute running through the base of the case with an opening in the back. This arrangement makes it unnecessary when testing numbers of coin to lift them off the plate and bring them back to the front and so waste that much time, for with the next coin to be tested one can push the tested one off the plate. It will then drop into the trap, run through the chute and discharge at the back.

The balance is made entirely of brass, polished and lacquered. The knife-edges are steel, the bearings agate. The coin and weight plates have inserted steel plates, so as to prevent the coin from cutting into them (as would be the case if made of brass). These plates are beveled shaped with a slot in the bottom, into which fits the "T"-shaped plate arrests. This arrest has a "fall-away" action upon turning the button on the outside front of base. This allows the balance to oscillate, and when the button is turned back the arrests come back and hold the plate rigid for the next loading. This arrangement does away entirely with the common annoyance of side, backward and forward swinging pan on coin balances.

The balance is furnished without weights and with either a set of Least Current or Standard Coin Weights, or with both, in separate-covered blocks, as follows:

No.	Code Word		Price
601.	**Depact**	Without weights	.....
602.	**Depedu**	With set Least-Current Gold Coin Weights, $20 to $1	.....
603.	**Depiev**	With one set Least-Current and one set Standard Gold Coin Weights	.....

SPECIAL BULLION BALANCES



As used in the United States Mints at Philadelphia, San Francisco and Denver; United States Assay Offices at New York, Seattle, Deadwood, Helena, etc.; mints of China at Tientsin and Pekin; in Canada, Mexico, etc.

These balances are designed for large capacity weighings, where the maximum of accuracy is required.

They are made in the most careful manner, of the highest class material, of full size, and are guaranteed to surpass anything of like nature made in any part of the world. No. 300, etc., are without beam cases. No. 300A, etc., are with beam cases. No. 300B, etc., are fitted into glass cases.

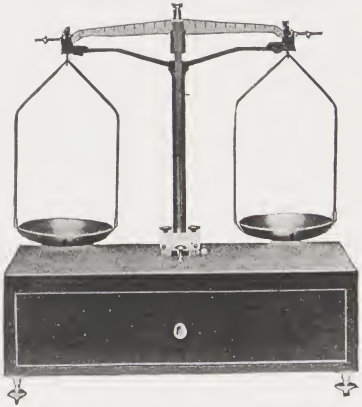
No.	Code Word.	Capacity.	Sensibility.	Length of Beam.	Width of Bows.	Dia. of Plates.	Size of Base.	Dia. Steel Pan.
300	**Euthanasia**	3000 oz.	2 grains	3'	15"	10"	55x15"	16"
300A	**Eutor**	3000 "	2 "	3'	15"	10"	55x15"	16"
300B	**Eucas**	3000 "	1 "	3'	15"	10"	55x15"	16"
400	**Eutofa**	4000 "	2 "	4'	18"	11½"	74x26"	18"
400A	**Eutbma**	4000 "	2 "	4'	18"	11½"	74x26"	18"
400B	**Eutcasa**	4000 "	1 "	4'	18"	11½"	74x26"	18"
500	**Eutycnus**	5000 "	2 "	5'	22"	13¼"	83x27"	20"
500A	**Eutybm**	5000 "	2 "	5'	22"	13¼"	83x27"	20"
500B	**Eutycsa**	5000 "	1 "	5'	22"	13¼"	83x27"	20"
1000	**Eupolemus**	10,000 "	4 8 "	6'	30"	20"	105x33"	29"
1000A	**Eupobem**	10,000 "	4 8 "	6'	30"	20"	105x33"	29"
1000B	**Eupoks**	10,000 "	4 8 "	6'	30"	20"	105x33"	29"

Price on application.

BANKERS' BALANCES

This line of balances is designed to ascertain either the standard weight value or the least current value of coin. All gold coin that is lighter than a certain amount has only a bullion value. Thus the standard weight of a double eagle gold coin is 516 grains and is worth its face value; it will, however, be accepted by the Government at its face value if it weighs not less than 513.42 grains (this is the Least Current Weight); if it be worn so as to weigh less than this Least Current Weight, its value is as is the price of bullion ruling that day.

GOLD COIN BALANCE, FIG. 2820



Mounted on mahogany box with screw-leveling feet and level.

For testing single pieces of gold coin so as to ascertain if it is below the Least Current Weight; if so, how much.

Operation. Place the coin to be tested on the right-hand pan (say it be a quarter eagle—$2.50); then place the least current weight, marked $2.50, on the left-hand pan. If the scale balances, the coin is just at its least current weight; if it shows the coin is heavier than the weight, it is within this value. If, however, it be lighter than the weight, it is not worth $2.50. To ascertain how much light it is, place the rider on the beam at the notch where it will balance the balance beam; say this is at the third division from center on the side with the coin, this would show that the coin is 3 grains light.

Price includes one set Least Current Weights, $20.00 down, and riders.

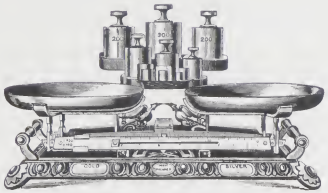
No.	Code Word.	Capacity.	Sensibility.	Dia. Pans.	Length Beam.	Price Agate Bearings.
2820	**Hopap**	2 oz.	1/50 grain	3"	6"	.....

GOLD COIN BALANCE, FIG. 2821

Same Balance as above, except that it is mounted in a polished mahogany glass case with counterpoised front door. Set Least Current Weights and rider included with Balance.

No.	Code Word.	Capacity.	Sensibility.	Dia. Pans.	Length Beam.	Price Agate Bearings.
2821	**Hopez**	2 oz.	1/50 grain	3"	6"	.....

TROEMNER'S IMPROVED SPECIE SCALE, FIG. 187

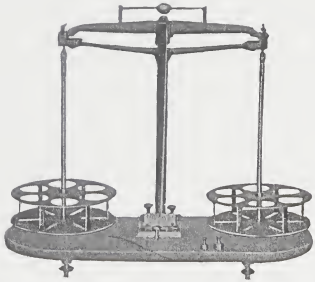


A new and improved specie scale, designed for banks and bankers. The scale takes up but little room and weighs, with the greatest accuracy, a single gold dollar up to a thousand dollars of silver at a single draft. It will verify the count and give the actual value of abraded or of the least current coin. It is provided with a full set of brass weights conveniently arranged, and a tare beam by which the amount of shortage is instantly ascertained, be it one dollar or twenty. The side beam has four graduations—for gold, Trade dollars, Standard dollars and subsidiary coin. To weigh a draft of coin we proceed as follows: Supposing we desire to weigh $5000 in gold; we look at the table and find the weight required is 268.75; we place the 268 ounces in the LEFT-hand pan and slide the ounce poise A to 75; then put the coin in the RIGHT-hand pan. Should the coin weigh light we slide the poise B along the beam until the scale balances. If this takes place with the poise at, say, 20, it signifies that the coin is that many dollars short.

No.	Code Word	Dia. Pans	Price
187.	**Depravity**	13″	.....

CREAM TEST BALANCES, FIG. 6612

(For Testing 12 Bottles at One Time)



This line of balances, because of its style of construction (load supported below the knife-edges, the only satisfactory and stable method of construction for balances requiring a constant accuracy) will be found to be the only all-around accurate and satisfactory balance for cream testing.

Specifications

Balance: Made entirely of brass.

Beam is provided with threaded balancing ball and rod to take care of the difference in the weight of the bottles quickly.

Knife-edges: Hard and tempered steel.

Bearings: Polished agate.

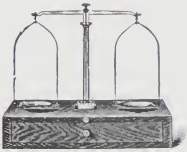
Indicating Needle points downward to a graduated ivory index, graduated into ten divisions, each 0.05 inch apart.

Bottle Racks. Made to rotate on a single rod, making it convenient to fill any bottle without removing it from the rack.

Base: Shaped of rustproof galvanized iron, fitted with screw-leveling feet and vial—unleakable—levels. 9 and 18 grams brass block weights fitted into the base.

No.	Code Word	Bottle Capacity	Sensibility	Price
6612.	**Deschen**	12	10 mg.	.....

GOLD COIN BALANCE, FIG. 2822

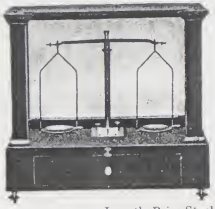


This balance is mounted on a mahogany box with drawer; has a set of Least Current Weights supplied with it; has steel knives and bearings. Its operation is the same as described for Fig. 2820, except it has no rider and small weights must be used to establish the value.

No.	Code Word	Capacity	Sensibility	Dia. Pans	Length Beam	Price Steel Bearings
2822.	Hopin	2 oz.	1/50 grain	3"	6"	.....

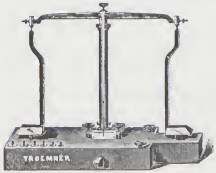
GOLD COIN BALANCE, FIG. 2823

This balance is the same as the Fig. 2822 Balance except that it is mounted in mahogany case with counterpoised front door, screw leveling feet and level. Price includes a set of Least Current Weights.



No.	Code Word	Capacity	Sensibility	Dia. Pans	Length Beam	Price Steel Bearings
2823.	Hopom	2 oz.	1/50 grain	3"	6"	.....

COIN BALANCE, FIG. 260

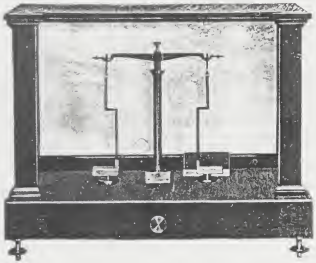


This balance is designed for very rapidly ascertaining the least current value of coin. It can be set up on a counter or shelf, and the coins, one at a time, passed over the right-hand pan in rapid succession. This end of the hardwood platform is shaped so as to allow the coins to be pushed off the pan and fall into a receptacle in rapid succession. Balance is fitted with screw-leveling feet and level and a set of Least Current Weights for $20.00 down (fitted into the platform) are supplied.

Price

No. 260 Code Word, Dependence ....

GOLD COIN BALANCE, FIG. 2690



This balance is the most practical balance for the accurate and rapid determination of the current values of coin.

The balance is mounted in a polished mahogany case, with glass sashes at back and at both ends. The front sash is counterpoised, sliding up and down and remaining at any placed position. It is supplied with screw leveling feet and vial levels that will never leak out.

This case is provided with a trapdoor (directly back of the right-hand plate), covering a chute running through the base of the case with an opening in the back. This arrangement makes it unnecessary when testing numbers of coin to lift them off the plate and bring them back to the front and so waste that much time, for with the next coin to be tested one can push the tested one off the plate. It will then drop into the trap, run through the chute and discharge at the back.

The balance is made entirely of brass, polished and lacquered. The knife-edges are steel, the bearings agate. The coin and weight plates have inserted steel plates, so as to prevent the coin from cutting into them (as would be the case if made of brass). These plates are beveled shaped with a slot in the bottom, into which fits the "T"-shaped plate arrests. This arrest has a "fall-away" action upon turning the button on the outside front of base. This allows the balance to oscillate, and when the button is turned back the arrests come back and hold the plate rigid for the next loading. This arrangement does away entirely with the common annoyance of side, backward and forward swinging pan on coin balances.

The balance is furnished without weights and with either a set of Least Current or Standard Coin Weights, or with both, in separate-covered blocks, as follows:

No.	Code Word		Price
2601.	Depact	Without weights	.....
2602	Depedu	With set Least-Current Gold Coin Weights, $20 to $1	.....
2603.	Depiev	With one set Least-Current and one set Standard Gold Coin Weights	.....

ary 1836 report to Dr. Moore, Peale mentioned that he had decided to employ Saxton to make a balance for the mint, "which in simplicity of construction and excellence of workmanship . . . will possess all that is required in an eminent degree . . . "[9] Peale's decision met with Moore's prompt approval, and Saxton proceeded to build the balance—probably the first he had ever made. It was finished in time for Peale to take with him when he returned to Philadelphia.

Although neither that balance, nor even a full description of it, are known to still exist, it could not have been a very large one, because Saxton charged only £26 for it in comparison with the approximately £140 he later charged for a larger balance (Figure 3). In any event, the gold content of the coins at the Philadelphia Mint could now be maintained with greater accuracy than had been possible previously.

Unfortunately, Dr. Moore died suddenly in July 1835 and never saw the new balance. He was succeeded by Dr. Robert M. Patterson, who conducted the examination of the new balance. The following letter attests to his satisfaction:

Philadelphia, Nov. 5, 1835.

Dear Sir:

I wish you to make, for the Mint of the United States, five Assayer's balances, after the model of that which you made for us while Mr. Peale was with you while in London. One of those balances is for this Mint, two are for the Branch Mint at New Orleans, one for the Mint in North Carolina, and one for the Branch in Georgia. You will not, of course, allow the price to *exceed* that of the balance in our hands, which I understand, was £26. It is expected that they are to be in no respect *inferior* to the model.

We are also in want of several other Beams, viz Four for Gold, to weigh up to 25 lbs. and Two for Silver to weigh up to 80 lbs. I do not give an order for these, but would be glad to know if you could undertake them.

Will you allow me to take this occasion of communicating

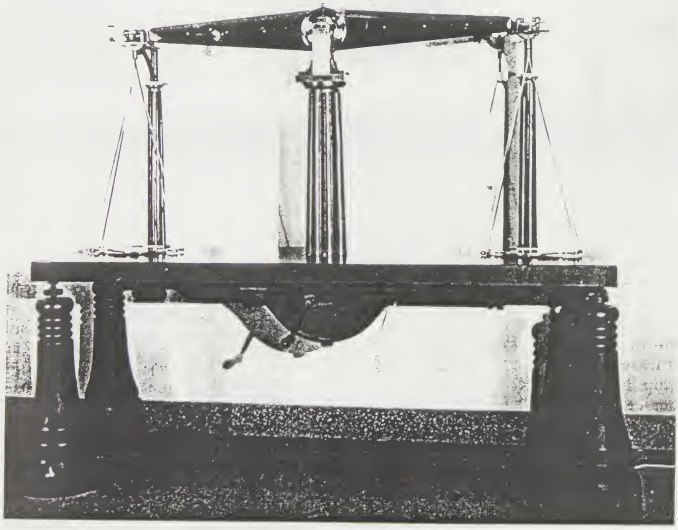


FIGURE 3.—The large balance built for the U.S. Mint in Philadelphia by Joseph Saxton in 1838; its base is about 6½ feet long by 2 feet wide. (Photograph by the author)

GOLD COIN BALANCE, FIG. 2822

This balance is mounted on a mahogany box with drawer; has a set of Least Current Weights supplied with it; has steel knives and bearings. Its operation is the same as described for Fig. 2820, except it has no rider and small weights must be used to establish the value.

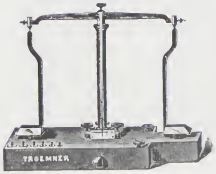
No.	Code Word	Capacity	Sensibility	Dia. Pans	Length Beam	Price Steel Bearings
2822.	**Hopin**	2 oz.	1/50 grain	3"	6"	.....

GOLD COIN BALANCE, FIG. 2823

This balance is the same as the Fig. 2822 Balance except that it is mounted in mahogany case with counterpoised front door, screw leveling feet and level. Price includes a set of Least Current Weights.

No.	Code Word	Capacity	Sensibility	Dia. Pans	Length Beam	Price Steel Bearings
2823.	**Hopom**	2 oz.	1/50 grain	3"	6"	.....

COIN BALANCE, FIG. 260



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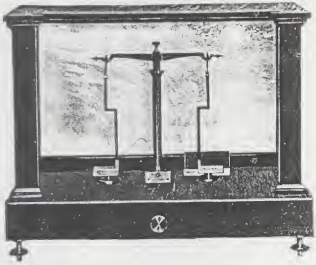
Price

No. 260 Code Word, Dependence ....

GOLD COIN BALANCE, FIG. 2690



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This case is provided with a trapdoor (directly back of the right-hand plate), covering a chute running through the base of the case with an opening in the back. This arrangement makes it unnecessary when testing numbers of coin to lift them off the plate and bring them back to the front and so waste that much time, for with the next coin to be tested one can push the tested one off the plate. It will then drop into the trap, run through the chute and discharge at the back.

The balance is made entirely of brass, polished and lacquered. The knife-edges are steel, the bearings agate. The coin and weight plates have inserted steel plates, so as to prevent the coin from cutting into them (as would be the case if made of brass). These plates are beveled shaped with a slot in the bottom, into which fits the "T"-shaped plate arrests. This arrest has a "fall-away" action upon turning the button on the outside front of base. This allows the balance to oscillate, and when the button is turned back the arrests come back and hold the plate rigid for the next loading. This arrangement does away entirely with the common annoyance of side, backward and forward swinging pan on coin balances.

The balance is furnished without weights and with either a set of Least Current or Standard Coin Weights, or with both, in separate-covered blocks, as follows:

No.	Code Word		Price
2601.	Depact	Without weights	.....
2602.	Depedu	With set Least-Current Gold Coin Weights, $20 to $1	.....
2603.	Depiev	With one set Least-Current and one set Standard Gold Coin Weights	.....

GILBERT & DEAN

Boston Gazette (Boston Feb.17,1812)
Vol 36, No. 16. List of Counterfeit
Bank Bills in Circulation

DIRECTIONS FOR USING

The Gold Standard Balance,

Invented by BENJAMIN DEARBORN, of BOSTON, *Massachusetts.*

The beam is mounted on a platform having a lip [illegible]

The pendants are marked R. and L. to represent right and left, with those letters facing the operator. As the beam is originally adjusted with the pendants in those positions, it will be expedient to avoid changing them in use, although no perceptible difference may be produced by the change.

Whenever the beam is to be raised or let down, the operator should be particularly cautious to prevent the lever from slipping out of his hand, for a single inattention in this particular, may destroy the accuracy of the instrument; and it is so extremely susceptible that the lightest current of air will give it motion; consequently a case should encompass it on all sides [illegible] This case is generally glazed [illegible] on the [illegible]

Four different denominations of this Balance have been introduced, namely the first or higher style, for weighing gold to the amount of five thousand dollars at a draft. The second style of similar power. The first style for fifteen hundred dollars at a draft, and the second style of similar power; any one of which will weigh a single piece with requisite precision.

Weights for gold are also furnished at the same factory, adjusted to pennyweights and grains, or to dollars and cents of the different gold coins, as estimated by the laws of the United States.

The Gold Standard Balance has now survived the scrutiny of fifteen years, in which time it has been adopted by all the Banks in Boston, and many others in the United States; the Inventor therefore feels himself justified in recommending it to all Banking Institutions wherein superior accuracy is an object of ambition.

BENJAMIN DEARBORN.
Balance-Factory.

Boston, Nov. 1817.

Yours I have [illegible]

[illegible]

DIRECTIONS FOR USING

The Gold Standard Balance,

Invented by BENJAMIN DEARBORN, of Boston, *Massachusetts.*

The beam is mounted on a platform having a screw at each corner, for the purpose of fixing it perfectly level and steady; and care should be taken that it be always so placed, which can be readily ascertained by applying a plumb-line to the columns, because they will be perpendicular when the platform is level.

On the platform a lever is placed, whereby the beam, scales and weights are raised for any operation in weighing, and let down as soon as the operation is completed. It is best to bring the beam to a state of rest, as often as any change is necessary in the weights, or the article to be weighed; it should also be kept in a state of rest at all times when not in actual use. When a beam is constructed to rest on screws, they should not be moved after being fixed at their proper height, which is thus known. If the screws be too high the beam will roll thereon, producing a lateral motion of the index between the parallels; if the screws be too low, the beam will not come down to rest on both at the same time; if one be too high and the other too low, the index will rest out of the centre, inclining toward the highest screw; when none of these effects are produced, the screws are at the proper height.

The index is fixed with a brace to the lower edge of the beam, pointing down to a centre, which shews when the beam is level. A small weight is fixed upon the index in such a manner as to be moved higher or lower, and remain stationary wherever it is placed; this weight is termed a MOTOR, the proper place for which is easily ascertained thus; when the scales are adjusted to exactly equal weight, while the beam remains up, put each scale alternately down to the table, and observe if they rise, letting the beam vibrate; if they do not, the motor is too high, and must be brought lower; if they rise with a quick motion, the motor is too low, and must be moved higher, until the scales will just rise from the table with a slow motion; this will be the proper place for the motor in weighing all small drafts, and with any draft the beam will turn with great ease, without raising the motor, consequently it very rarely requires to be moved. But, if the scales are heavily loaded and *extreme precision is required* in the weight, the motor may be raised as high as it will bear, by the foregoing rule: that is to say, after the scales are loaded with equal weights, raise the motor so high that the scales with their load shall just rise from the table, the beam vibrating with a slow motion. Whenever the motor is moved the beam should be in a state of rest. Beams of this construction are thus made to turn with nearly the same ease when heavily as when lightly loaded.

To preserve the exact balance of the beam, an instrument called an Equipoise is fixed on the top of it, turning on an axis, and moved by two screws, which throw the weight of the equipoise toward the right or left, for counteracting such little inequality in the weight of the scales as may be produced in time, by a difference in wearing, or by more dust adhereing to one than the other. If the beam from these causes, should at any time lose its perfect equilibrium, it must be restored by slacking the screw of the equipoise on the side of the lighter scale, and turning up the other. This should be done while the beam is at rest, and the screws must be turned tight, to preserve the position of the equipoise when set.

The ends of the beam terminate in sharp edges turning upward, by which construction it is very easily corrected if the edges should wear dull in time, or if one arm should prove longer than the other, which is ascertained by changing equal weights in the scales after they have been very accurately balanced by the equipoise. If one arm be longer than the other, an oil-stone must be applied to the outer side of the edge on the longer arm, or to the inner side of the edge on the shorter arm, and a little rubbing will shorten the former, or lengthen the latter; but care must be taken not to do too much, for when the arms are very nearly equal in length, the longer may be made the shorter by rubbing a few seconds, although the edges are hardened steel.

On the ends of the beam, two Pendants are suspended having polished steel caps, which rest on the sharp edges above described. To these pendants the scales are attached by screws, whereby the length of each can be so increased or diminished, so that the index shall be central when the scales rise from the table.

The pendants are marked R. and L. to represent right and left, with those letters facing the operator. As the beam is originally adjusted with the pendants in those positions, it will be expedient to avoid changing them in use, although no perceptible difference may be produced by the change.

Whenever the beam is to be raised or let down, the operator should be particularly cautious to prevent the lever from slipping out of his hand, for a single inattention in this particular, may destroy the accuracy of the instrument; and it is so extremely susceptible that the lightest current of air will give it motion; consequently a case should encompass it on all sides. This case is generally glazed on the [illegible]

Four different denominations of this Balance have been introduced, namely the first or higher style, for weighing gold to the amount of five thousand dollars at a draft. The second style of similar power. The first style for fifteen hundred dollars at a draft, and the second style of similar power; any one of which will weigh a single piece with requisite precision.

Weights for gold are also furnished at the same factory, adjusted to pennyweights and grains, or to dollars and cents of the different gold coins, as estimated by the laws of the United States.

The Gold Standard Balance has now survived the scrutiny of fifteen years, in which time it has been adopted by all the Banks in Boston, and many others in the United States; the Inventor therefore feels himself justified in recommending it to all Banking Institutions wherein superior accuracy is an object of ambition.

BENJAMIN DEARBORN.
Balance-Factory.

Boston, Nov. 1817.

Signed by Plympton

Has a lift

DIRECTIONS FOR USING

The Gold Standard Balance,

Invented by BENJAMIN DEARBORN, of Boston, *Massachusetts.*

EQUAL ARM BALANCE SCALES AT THE U.S. MINT

Elias Bondinot, Director of the U.S. Mint, in presenting an inventory of the assets of the Mint to Albert Gallatin, Secretary of the Treasury, on March 22, 1802 included "six sets assay scales, and sundry adjusting scales."

* * * * * *

A visit to the planchet adjusting room at the U.S. Mint is described by Waldo Abbot in **Harper's Monthly** for November 1861 as follows:

"What a peculiar noise, like a young ladies' school at recess, only a strange filing sound withal! Nearly sixty females, some young and pretty, some---middle-aged and fine-looking.

"Each operator has on the table before her a pair of assay scales. Seated close to the table, a leather apron, one end tacked to the table, is fastened under her arms to catch any gold that may fall. In short sleeves, to avoid sweeping away the dust, and armed with a fine flat file, she is at work, chatting and laughing merrily. She catches a double eagle planchet from a pile by her side and puts it into the scale. It is too heavy. She files it around the edge, and weighs it. Still too heavy. Files it again, and weighs it. Almost right. Just touches it with the file. Right; the index is in the centre. She tosses it into the box, and picks up another to undergo the same operation.

"To adjust a coin so accurately requires great delicacy and skill, as a too free use of the file would quickly make it too light. Yet by long practice, so accustomed do the operators become, that they work with apparent recklessness, scarcely glancing at planchet or scales, but seemingly guided by their touch.

"The exceedingly delicate scales were made under the direction of Mr. Peale, who greatly improved on the old ones in use. So delicate are they that the slightest breath of air affects their accuracy, rendering it necessary to exclude every draft from the room, which, being poorly ventilated, in a hot day is an uncomfortable and probably an unhealthy place. Colonel Childs, the late chief coiner, exercised great care to counteract this difficulty by occasionally stopping work, and opening the windows.

"The females in the adjusting room are paid $1.10 a day for ten hours' work. They look happy and contented. Behind the screens, at each end of the room, are dining-halls, where they eat the dinners they bring with them. On the whole, it is the pleasantest work-shop for women we have yet seen, and the pay, in comparison with that ordinarily given to women, is good."

HERPERS' PATENT COUNTERFEIT COIN DETECTER.

This instrument is warranted by the undersigned — to detect all imitations of U. S. Coins from 25 Cents to $20 both inclusive.

REFER TO

Saint Nicholas Bank, Wall St., New York. *State Bank, Newark, N. J.*

DIRECTIONS FOR TESTING COINS: Place the coin in the slit marked with its value, and the weight on the notch marked with the same value, then turn the swivel to release the beam (this swivel has only to support the beam, when the scale is not used).

If the balance remains in a level with the frame, the coin is good but very much worn, consequently a new genuine coin will considerably overbalance the weight — should the weight overbalance the coin, or should the slit not admit the coin — the coin can not be genuine.

The slits are so adjusted as to admit genuine coins to be measured on their largest diameter.

It is necessary to test the toughness of silver coins also, there being bad quarters in circulation made of an alloy of lead and mercury which alloy is as heavy as silver but very brittle.

To enable tender fingers to break such pieces, the frame has been provided with slits in which such coins can be broken with ease whereas a genuine quarter hardly can be bent. Price $1.50.

T. J. HERPERS, *Patentee & Manufacturer, Newark, N. J.*

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F. J. HERPERS, ***Patentee & Manufacturer, Newark, N. J.***

Weighing Old Coin, One Million Dollars, 2383 in Gold in Sight, Philadelphia, Pa.

Weighing Old Coin, One Million Dollars, 2383 in Gold in Sight, Philadelphia, Pa.

WEIGHING THE SINGLE PIECES.

~~Scales & weights made & sold by Jon^a Dakin Boston NE~~

~~Scales & weights made & sold by JON^A DAKIN Boston NE~~

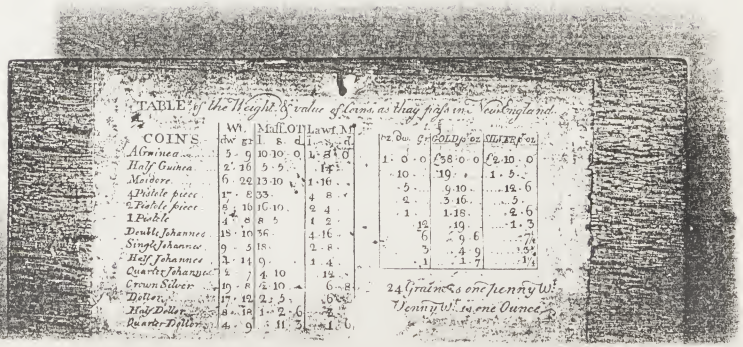


TABLE of the Weight & value of Coins as they first in New England.

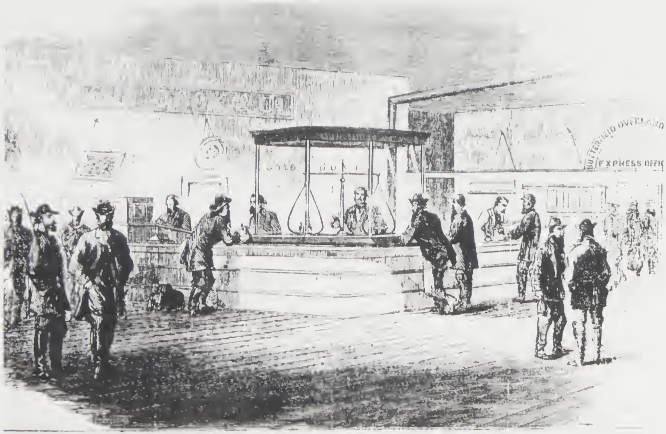
COINS	Wt. dw	gr	Mill. l	s.	d.	Lawf. M l	s.	d.
A Guinea	5	9	10	10	0	1	8	0
Half Guinea	2	16	5	5			14	
Moidore	6	22	13	10		1	16	
A Pistole piece	1	8	33			4	8	
2 Pistole piece	8	10	16	10		8	4	
1 Pistole	4	8	8	5		1	2	
Double Johannes	18	10	36			4	16	
Single Johannes	9	5	18			2	8	
Half Johannes	3	14	9			1	4	
Quarter Johannes	2	7	4	10			12	
Crown Silver	19	8	4	10			6	8
Dollers	17	12	2	5			6	8
Half Dollers	8	18	1	2	6		3	
Quarter Dollers	4	9		11	3		1	6

Lb.	Oz.	Gr.	GOLD £	s.	d.	SILVER £	s.
1	0	0	£38	0	0	£2	10 0
	10		19			1	5
	5		9	10			12 6
	2		3	16			5
	1		1	18			2 6
		12		19			1 3
		6		9	6		7½
		3		4	9		3¾
		1		1	7		1¼

24 Grains is one Penny Wt.

Twenty Wt. is one Ounce.

Colorado Territorial Scrip Mumey 1966 p 11



BANKING-HOUSE, DENVER CITY, COLORADO—MINERS BRINGING IN GOLD DUST.—[Sketched by Theodore R. Davis.]

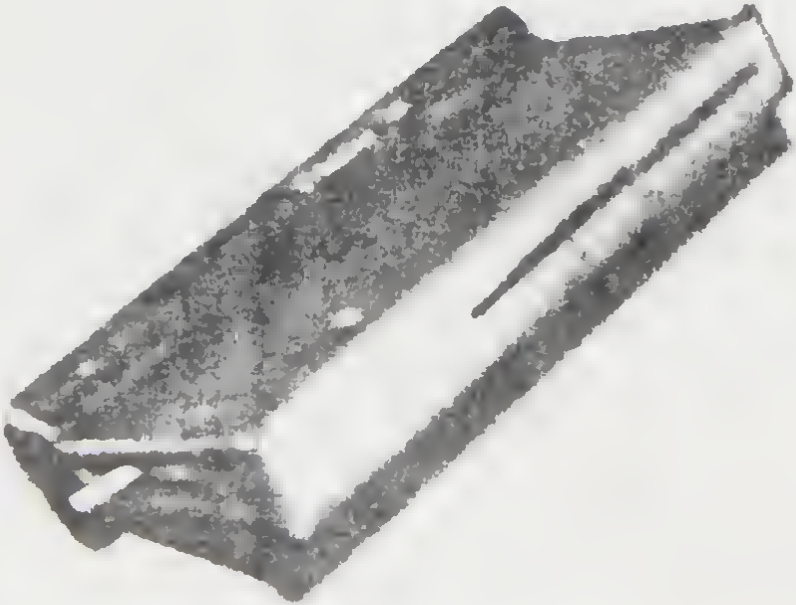
Interior of Banking House of C. A. Cook & Co., Denver, 1866

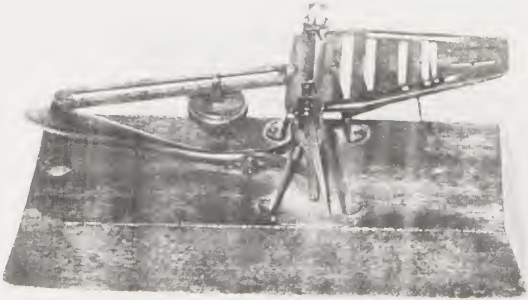
Courtesy of Library State Historical Society of Colorado

Moore's Patent Eagle Balance,
To weigh and gauge Half & Quarter Eagles.

Warranted so correct, that no counterfeit of sufficient weight to turn the Balance, can possibly go through the Gauge.

1999 from Jackie





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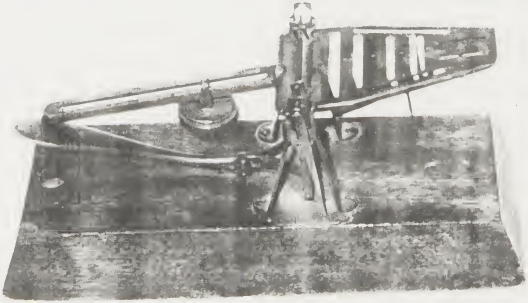

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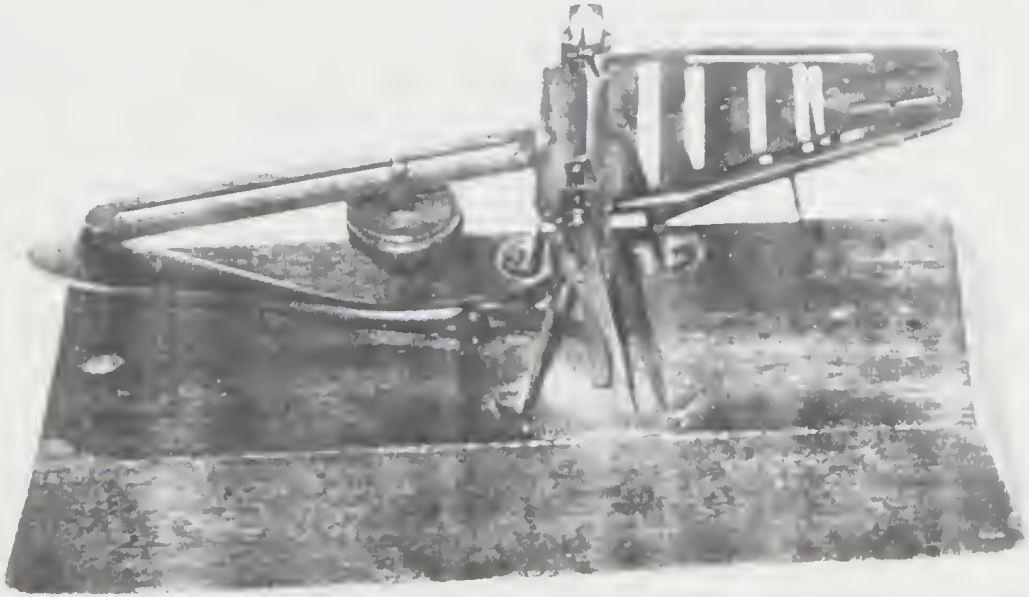
Horlick 1998



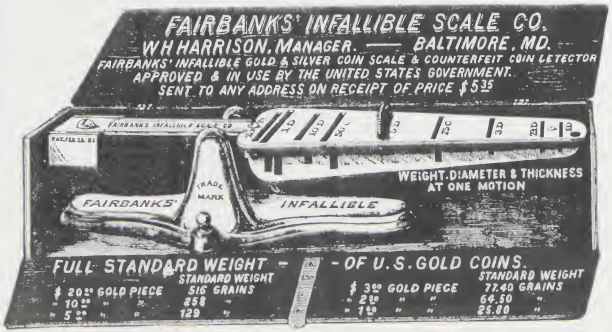
1

Horlick 1998

J H BURNET
61 WALL ST.
NY NY

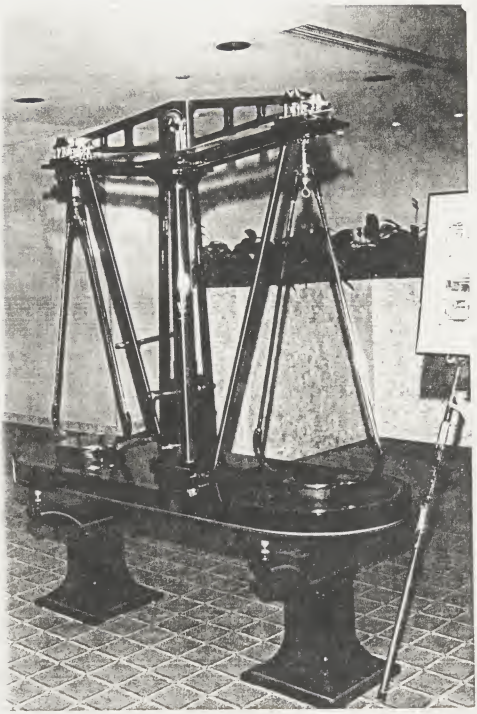
THE THREE TESTS AT ONE MOTION—WEIGHT, DIAMETER AND THICKNESS.

ABSOLUTE SECURITY AGAINST FRAUD.



SIMPLICITY! RELIABILITY! DURABILITY!

NO CASHIER, TELLER OR BUSINESS MAN SHOULD BE WITHOUT ONE.



COPY 6-15-90 EPM
LIB.CO. PHILA.
1761 POCKET ALMANAC
ORIGINAL SIZE
(H)

A TABLE *of the Value and Weight of* COINS, *as they now pass in* England, Pennsylvania, *and* New-York.

	Sterling.			Pennsylvania.			New-York.		
	£.	s.	d.	£.	s.	d.	£.	s.	d.
ENgl. Guinea at	1	1	0	1	4	0	1	16	0
French Guinea	1	1	0	1	3	6	1	15	0
Moidores - - -	1	7	0	2	3	6	2	6	0
Half Johannes -	3	12	0	5	15	0	5	5	0
Johannes - - -	7	4	0	11	6	6	10	8	0
French milled Pistole	0	16	0	1	6	1	1	9	0
Spanish Pistole	0	16	0	1	6	1	1	9	0
Dubloon	3	16	0	5	8	0	5	16	0
English Crowns	0	5	0	0	7	6	0	8	0
French Crowns of 8	0	5	0	0	7	6	0	8	0
English Sixpence	0	0	6	0	0	9	0	0	9

* *Most Sorts of Spanish Money are sold in London by the Ounce, and often varies but seldom or ever exceeds 5s. 6d. In Pennsylvania it sells for 8s. 6d. per Ounce.*

In Boston and Connecticut Pieces of Eight pass for 6s. and 6d. the Weight.

PATENT POCKET

COIN DETECTOR,

FOR TESTING THE VARIOUS KINDS OF

Gold and Silver Coins.

It is admitted by all to be the most perfect thing of its kind ever offered to the public.

IT IS SO SMALL THAT IT CAN BE CARRIED IN THE POCKET WITHOUT ANY INCONVENIENCE.

EVERY MERCHANT SHOULD HAVE IT!
EVERY STOREKEEPER SHOULD HAVE IT!
EVERY MECHANIC SHOULD HAVE IT!
EVERY MAN IN BUSINESS SHOULD HAVE IT!

It detects at the same moment, both size, thickness and weight, from a Half Dime to a Dollar in Silver and from $1 in gold up to $20, besides foreign gold and silver, and sells as quickly as seen, without the assistance of a word. It is simple, *eminently* useful, durable, economical and perfect.

☞ A Warrantee goes with every one that is sold.

PRICE ONE DOLLAR,

Post paid, to any part of the United States.

SEE WHAT THE NEWSPAPERS SAY:

The possession of it is a perfect guarantee against being imposed upon with spurious coins.—[News.

Detection is sure, certain, inevitable.—[Eve. Journal.

A blind man with one eye in his possession may bid defiance to the most skillful counterfeiter of the day.—[Evening Bulletin.

We pronounce it without hesitation to be the most perfect thing of its kind ever offered to the public.—[Penn. Inquirer.

We like it, and cordially recommend it to public favor. —[National Argus.

It is worth its price ten times told.—[City Item.

AGENTS WANTED.

An Agent wanted in every County in the United States, to whom a heavy discount will be made. Samples sent, with terms of agency, on the receipt of one dollar.

Address all orders to

IMLAY & BICKNELL'S,

Bank Note Reporter, Philadelphia, Pa.

The Reporter has been for thirty years the constant and necessary companion of the Cashier, Merchant, Clerk, Trader, Mechanic, and the People, being the oldest on the Continent, and the ablest in the world, and having more subscribers than all others combined, is published on the 1st and 15th of each month, at the following prices.

Monthly, 1 Copy, one year,	$1 00
Semi-Monthly, 1 Copy, one year,	$2 00

including without extra charge a copy of the Coins of the world, containing a larger number of magnificently illustrated fac-simile impressions of the various gold, silver and other coins of all nations, than can be found in any other work, and which can be obtained from no other work, and which can be obtained from no other

HENRY TROEMNER
.165
.310
.320
.151
.504
.254
.104

AUTOMATIC WEIGHING MACHINE

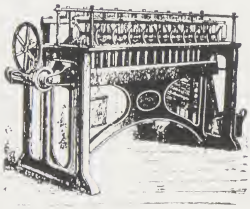
This unique device, an example of one of the methods employed by the Mint through the years for determining the weight of gold and silver coins to assure that they conformed to legal standards, was probably designed and fabricated in the Philadelphia Mint at the turn of the century.

In very early times, the operation was performed by hand. Those hired were called "adjusters." They were required to inspect the external condition of the coin blanks and weigh them. It was an exacting occupation, and the weighing was performed on scales so sensitive and accurate that the slightest current of air could affect the readings.

Heavy blanks were filed off at the edges and overweight ones placed with the light ones to be melted down. The operators became so skilled at this demanding task that they worked with apparent unconcern.

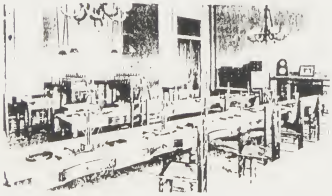
ADJUSTING ROOM.

Automation began to make all jobs easier, and more modern equipment was adopted, some manufactured by expert machinists at the Philadelphia Mint. During his tenure as Chief Coiner (1867-1870) Colonel A. Louden Snowden introduced from Vienna, Austria, the Seyss automatic weighing machine shown below, which he had inspected while on a trip to European mints.



The Seyss (left) had ten scales, each connected to a tube fitted for a certain denomination of coin. There were three receptacles, one for the coin blank which exceeded its proper weight, and which after having thus been rejected was forwarded to be filed off to the required weight. The second, or middle receptacle, was for the blank of the exact weight, ready for the coining press. The third and upper receptacle was for the blank which was too light for coinage and hence rejected for melting.

In the illustration below you will see small balance scales on tables used by adjusters, and two automated machines in the background. (1882-85) Hand and machine operations were conducted simultaneously at one time but due to refinements in related operations, the machine gradually replaced the hand operation.



The automatic weighing of coins was discontinued in the mid-Sixties upon the adoption of clad metal for the dollar and all subsidiary coins, e.g., the dime through the half dollar. Today, all denominations are first inspected, then counted and bagged. A weight check of the bagged coins is made prior to shipment.

Every Merchant should have THE PATENT POCKET COIN DETECTOR. Price only $1.

THE PATENT POCKET COIN DETECTOR, Useful to Everybody. Price only $1.

Agents wanted for the PATENT POCKET COIN DETECTOR. Price only $1.

HOW TO SAVE AND HOW TO MAKE MONEY

RAPIDLY AND SURELY, IN AN HONORABLE BUSINESS.

AGENTS WANTED! RARE INDUCEMENTS!!

Local and Traveling Agents are wanted in every section of the Union, to introduce the

PATENT POCKET COIN DETECTOR!

FOR TESTING ALL KINDS OF GOLD AND SILVER COIN.

Price only One Dollar.

To all Country Merchants and Traders, who have no immediate access to a Bank, or Money Exchange Office, this useful instrument is WORTH TEN TIMES ITS COST. In a single year it may save its owner the loss of many dollars, by detecting for him all base or counterfeit coins. No Merchants are EXEMPT from sometimes being deceived in receiving moneys; and at the present time, there are so many new processes of counterfeiting, and so perfect are the imitations, that unless care is used, spurious money appears in the pockets or cash drawers of honest traders, and losses are entailed as a natural consequence.

The Patent Coin Detector.

Is a *Simple, Sure* and *Quick* preventive of all such losses, and is warranted *Perfect*, and a *Sure* indicator. Being made of gilt metal, weighing *less than two ounces*, and but three inches in length, *it can be carried constantly in the pocket without inconvenience.*

It is being universally adopted by the largest Exchange and Specie Brokers in our cities; and we often hear it remarked, "We would not be without it for twenty times its cost." The demand for it from our patrons is daily on the increase, and its money-saving, time-saving qualities and practical utility, are fast procuring its introduction in every section.

☞ A Circular, fully explanatory accompanies each instrument.

No Merchant should be without the Patent Detector, Price only One Dollar.

To prove this, let us suppose a merchant doing a business of ten thousand dollars per annum, take but *four counterfeit* quarter dollars a year, (this is but a small amount to be sure, but it is a loss.) An investment of *One Dollar only* saves the sum in *one year*. The instrument will *last a life time*.

A safe calculation is that a trader, doing the amount of business above stated, may take *more* than four counterfeit quarters, it may be four counterfeit *gold dollars*, (now very common, and hardly to be distinguished from genuine,) or two $2\frac{1}{2}$ gold pieces, or a single $5 piece.

All saved if you own the Sure, Never-erring, Patent Detector. Costing you only $1, and sent by Mail free.

NOTICE WHAT THE PRESS SAYS:

From the Daily Bulletin, Philadelphia.

A RELIABLE COIN DETECTOR. For the life of us we cannot imagine a more perfect thing of its kind, so perfect and so accurate is it, and so simple and plain withal, that, literally speaking, a blind man, with one in his possession, may bid defiance to the most skillful counterfeiter of the day.

From the Philadelphia Evening Journal.

PATENT POCKET COIN DETECTOR. No matter how skillful a counterfeiter may be, neither does it matter how much ingenuity and perseverance there may be used in the circulation of counterfeit money, honest energy, skill and industry is more than a match for the best of them. Never have we been more forcibly impressed with this belief than we were to day, when examining the new Patent Coin Detector, for testing the various gold and silver coins. The counterfeiters in this line might as well abandon their business at once; for with one of these complete articles at hand, we will defy the most perfect counterfeit coin to pass muster: detection is sure, certain, inevitable. We would say to the public who desire to be secure from loss by counterfeit coin, to obtain for themselves at once, one of these invaluable companions.

From the Evening National Argus, Philada.

PATENT POCKET COIN DETECTOR. We like it, and cordially recommend to public favor the Patent Pocket Coin Detector just introduced to the community. We have examined and tested it thoroughly, and we have no hesitation in pronouncing it, for simplicity and accuracy, the most perfect instrument of its kind ever produced. Every one now has it in their power to render themselves perfectly secure from being imposed upon with spurious coins.

From the Pennsylvania Inquirer.

PATENT POCKET COIN DETECTOR. We do not doubt but that nearly all our readers who are in business, have, before this, suffered to a greater or less extent, by being imposed upon with spurious coins. Such need be the case no longer, thanks to the enterprize of the proprietors, who have just brought before the public that much and long desired thing, *an accurate Coin detector.* It is one of the most perfect and beautifully simple arrangements for testing the various coins that it is possible to imagine; and after a careful examination of it, and trial, by testing it with the smallest silver or the largest gold coins, we pronounce it without hesitation, to be the most perfect thing of the kind ever offered to the public. No business man should be without one an hour.

From the Daily News, Philadelphia.

PATENT POCKET COIN DETECTOR. We, yesterday, had placed upon our desk an article, that for its usefulness and simplicity, we have rarely, if ever seen excelled. We refer to the Pocket Coin Detector, for testing the genuineness of the various gold or silver coins now in circulation, both our own and foreign, which has just been introduced into the community. The possession of it is a perfect guarantee against being imposed upon with spurious coins. No merchant, broker, store-keeper, hotel-keeper, or any other person who handles money, should be without one.

From The Press, Philadelphia.

POCKET COIN DETECTOR. It always gives us pleasure to bear witness to any new and useful invention, and we have seldom seen anything that has deserved a warmer recommendation than this; for no one can see these perfect little instruments without at once recognizing their usefulness.

From Fitzgerald's City Item.

PATENT POCKET COIN DETECTOR. We cheerfully endorse all that is said in its favor; its accuracy is truly astonishing. It can't do otherwise than test correctly. No matter how beautifully the base coin may be gotten up, detection is sure, beyond the possibility of a doubt. It is so simple that any one can use it, even a child, with certainty. It can't get out of repair, and with care, it will last a century. To all who handle money, it is worth the price asked for it ten times told.

From the Morning Pennsylvanian.

PATENT POCKET COIN DETECTOR. They cannot be excelled for simplicity, and they cannot help testing correctly; there is an absolute certainty about them that defies deception. Will last a lifetime, and cannot get out of order. A word to the wise is sufficient.

PATENT COIN DETECTOR.—Liberal terms will be made with such as wish to engage in its sale; and this article in connection with our

GOLDEN METALLIC PEN,

furnishes an opportunity seldom met with to any person who desires a light and profitable business. Samples of the Patent Coin Detector sent to any address on receipt of only ONE DOLLAR.

Call in person, or address all orders and correspondence to

S. J. BESTOR,

Importer of Watches and Manufacturing Jeweller, 34 South Third Street, Philada., Pa.

Everybody should read "The Old Stone Mansion," by C. J. Peterson.

☞ With this number all subscriptions for the year 1859 terminate. Petersons' Detector being *a Cash one*, every name is struck off, when the time for which it is paid expires. We respectfully solicit the renewal of all such subscriptions, and the interest of old friends in procuring new subscribers for us. For 1860 the Detector will, if possible to make it so, be better than ever. Remit the price of a year's subscription at once, in a letter, addressed to the Publishers, or it may be forgotten.

PETERSONS'
PHILADELPHIA COUNTERFEIT DETECTOR
AND
BANK NOTE LIST.

Corrected by **DREXEL & CO.** 34 South Third St.

VOL. II.] PHILADELPHIA, DECEMBER 1, 1859. [No. 47.

Published by T. B. PETERSON & BROTHERS, 306 Chestnut Street.

TO OUR SUBSCRIBERS.

With this number all subscriptions for the year 1859 terminate. *This Detector being a cash one, every name is struck off when the time for which it is paid expires.* Those subscribers whose year expires with this number, we respectfully ask for a renewal of their subscriptions, and the interest of old friends in procuring new subscribers for us. Great improvements will be made in 1860, and the Detector will be better than ever. All persons will much oblige us by remitting the amount for next year's subscription, to either the Monthly or Semi-Monthly issue of our Detector, *at once, or it may be forgotten.* We would advise all persons, for their own safety, to subscribe to the Semi-Monthly issue, and thereby receive the latest particulars in relation to all new counterfeits, etc. Over Fifteen Hundred newspapers in this country have, within the last three months, editorially pronounced *Petersons' Detector the most complete, perfect, and only one that can be relied on, published in this country;* the corrections being made by Drexel & Co., the well-known Bankers and Brokers of this city; and also advices every storekeeper in the United States to subscribe to it at once. There will be great improvements made in the Detector for 1860, and we solicit the interest of all our old friends in procuring new subscribers for us. Remit early, and address all orders to

T. B. PETERSON & BROTHERS,
No. 306 Chestnut Street, Philadelphia.

TERMS OF SUBSCRIPTION
TO
PETERSONS' COUNTERFEIT DETECTOR.
AND
BANK NOTE LIST.

Monthly, per annum.....1 00
Semi-Monthly, per annum.....2 00

Subscriptions may commence with any month. Terms always cash in advance. All letters must be addressed to

T. B. PETERSON & BROTHERS,
306 Chestnut Street, Philadelphia.

OUR TRAVELLING AGENT.

We have appointed JOHN VOGEL, of Allentown, Pa., *our sole and only travelling agent*, who has full power to canvass for, and take subscriptions for us, and give our printed receipts to any one subscribing to the Detector. He carries with him at all times, his certificate of agency from us, signed by us, as well as Alexander Henry, Esq., the Mayor of this city, with the seal of the City of Philadelphia upon it, as well as our regular printed receipts. All other persons purporting to be our agents, *are impostors.*

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TO ADVERTISERS,

We would call the particular attention of all persons to **Petersons' Counterfeit Detector** as an *advertising medium.* It is taken by nearly every storekeeper in Philadelphia, and can be found in almost every store in Pennsylvania, New Jersey, Delaware, Maryland and all the Western and Middle States, and is rapidly gaining favor throughout the whole United States, and has a circulation unequalled by any Counterfeit Detector or Bank Note List ever published, now rising 30,000 copies monthly.

ADVERTISING TERMS.

Business Cards, Notices, or Advertisements, to appear in both Monthly and Semi-Monthly issue, occupying four lines or less, $1 per month, or $10 per year. One-quarter column, $8 per month, or $80 a year. One-half column, $16 per month, or $150 a year. The Detector will be sent Semi-Monthly to all yearly advertisers, gratis.

PATENT COIN DETECTOR.

We would call the attention of our subscribers to an advertisement of S. J. Bestor, on the last page of this month's Detector, of a new *Patent Pocket Coin Detector* for testing all kinds of gold and silver coin, price one dollar only, one of which should be owned by every person that takes gold or silver.

75 NEW COUNTERFEITS

Have been put in circulation since the issue of our Number of November 1, 35 of which were described in our SEMI-MONTHLY NUMBER of November 15.

Those of our subscribers who do not take our Semi-Monthly issue, will thus see the utility of taking or subscribing to the Semi-Monthly number at once, otherwise they will not get descriptions until the issue of our next Monthly number.

All subscribers to our Monthly have only to remit us One Dollar more and we will send the **Semi-Monthly** issue to them also, for one year, together with a copy of **Petersons' Complete Coin Book.**

NEW COUNTERFEITS.

Adams Bank, North Adams, Mass.
2s, altered—viz: two females with sheaf of grain between them; two males supporting female on left; female, farming implements, &c., on the right end.

Albany Exchange Bank, N. Y.
5s, imitation—viz: three females and large eg. 5; on right end, medallion head and Five below; left end, State die, Five below 11; house between signatures.

Anthracite Bank, Tamaqua, Pa.
5s, spurious—viz: two females and large 5; wagon, hay, &c., on left end; child's head on right end; unlike genuine.

Bank of Ashland, Kentucky.
10s, imitation—head of female and 10 on right end; words TEN, shield, hunter, female and Indian on left end.

Bank of Brighton, Mass.
2s, altered—viz. locomotive and cars, female and head of Washington.

Bank of the Capitol, Albany, N. Y.
3s, altered—viz. 3 on a shield, and a squaw reclining on the right, and female seated on the left; unlike genuine.

(Continued on next page.)

UNITED STATES TRUST COMPANY,
AND
SAVING FUND,
Corner of Third and Chestnut Sts.

Large and small sums received and paid back on demand, without notice, with FIVE PER CENT. INTEREST from the day of deposit to the day of withdrawal.

OFFICE HOURS.—From 9 until 3 o'clock every day, and on MONDAY EVENING, from 7 until 9 o'clock.

President—STEPHEN B. CRAWFORD.
Secretary and Treasurer—JAS. B. HUNTER.

Stephen B. Crawford, Benjamin W. Tingley, Paul B. Goddard, M. D., Patrick Baird, James Devereux, Thomas T. Lea, Daniel Beldelman, George Junkin, Alexander C. Hart, M. D., William M. Godwin, B. Franklin Jackson, Pliny Fisk.

ALLEN & NEEDLES,
41 South Water Street, and 42 South Wharves, Philadelphia,

DEALERS IN

OILS	Sperm, Lard, Seal, Elephant, Winter Whale, and Racked Whale Oils.
CANDLES	Sperm, Solar Sperm, Adamantine, Star and Hotel Candles.
SOAP	Olein, Chemical, Olive, Palm, and Whale Oil Soaps.
FERTILIZERS	Super-phosphate of Lime, Fish Manure, Ground Bones, Plaster, and other Fertilizers.
STARCH	T. Kingsford & Son's Oswego Refined, Pure and Pearl Starch, for the Laundry. Also, Corn Starch and Prepared Corn for the table.
GUANO	Elide Island, Jarvis Island, Patagonia and Peruvian Guanos.

THE SUPERIOR FITTING
HABIT SHIRT,
MADE TO ORDER BY
HANCOCK,
WHOLESALE AND RETAIL
SHIRT MANUFACTURER
AND
GENTLEMEN'S FURNISHER,
No. 1026 Chestnut Street,
PHILADELPHIA.

$5.
$10.
$20.
$1.
.50¢
.25¢
.10¢

WILLIAM W. DONIGER
649 Alvarado Road
Berkeley, California 94705

1/31/72

Dear George

Received your letter regarding the C.C.D. that you don't have. The H. Barnet, N.Y. This device does not have the base. Underneath the plate is a bracket to accommodate the base which probably holds this C.C.D. in position. There is not really a lens, lenticular but a little rod, concave holes of various diameters are spaced along one side of enlarging plate through which a 1/4 oz. up to 2 oz. depending on figure may support the letter in the hole. It looks like a product of the 1870's

C.C.D. is 4 7/8" long and 2" at its widest. Denomination of coins should be on the photographs. If there is anything else let me know. Wishing everything success in your efforts. Best to you both

Best regards

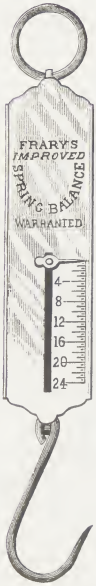
Bill

SIMMONS HARDWARE COMPANY.

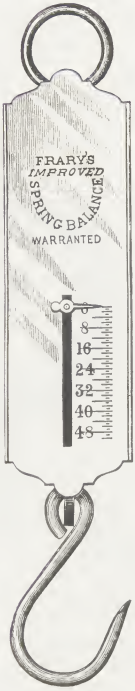
SPRING BALANCES.

No. 70.

German Crab Ice Scales.



Nos. 50, 51, and 81.



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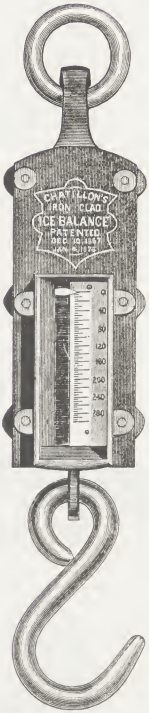


No. 160

Nos.	Shape.	Capacity.	Kind of Dish.	Price. Each.
	DESCRIPTION.			PRICE.
70	Round,	24 pounds × ½ pounds,	Hook only,	$ .40
81	Straight,	24 pounds × ½ pounds,	Hook only,	.40
84	Straight,	50 pounds × pounds,	Hook only,	85
94	Straight,	50 pounds × pounds,	Round Tin Dish,	2.00
50	Straight,	24 pounds × ½ pounds,	Hook only,	.20
51	Straight,	48 pounds × pounds,	Hook only,	.35
52	Straight,	24 pounds × ½ pounds,	Round Tin Dish,	.40

LETTER.

NEW IMPROVED PACKAGE.

TOBACCO.

No. 601,	Improved Letter Balances,	Weighs ½ oz. to 8 oz.,	each, $3 00
603,	" " "	" ½ oz. to 10 oz.,	" 4 00
604,	" " "	" ½ oz. to 34 oz.,	" 6 00
605,	" Package "	" ½ oz. to 4 lbs.,	" 8 00
495,	Tobacco Scale with Brass Scoop,	" ¼ oz. to 1 lb.,	" 6 50

SIMMONS HARDWARE COMPANY.

Improved

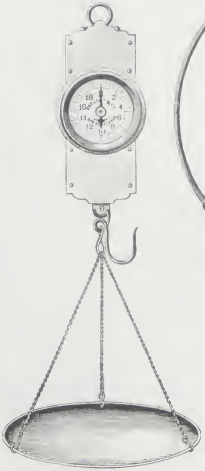
Circular Spring Balances.

Brass Front, Round Pan

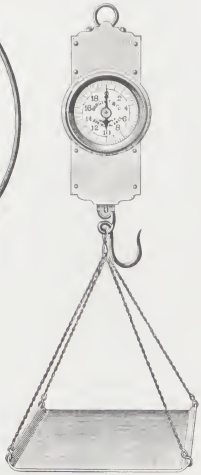
Brass Front, Square Pan.

No. 4266 E.

Large Dial.



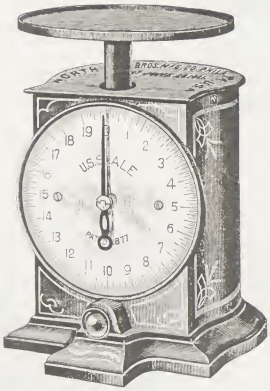
White Enameled Front, Round Pan.



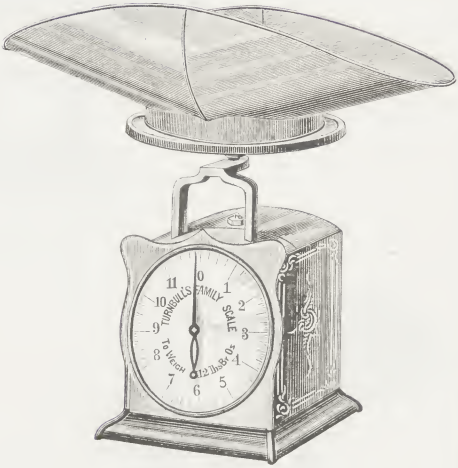
White Enameled Front, Square Pan.

SIMMONS HARDWARE COMPANY.

STANDARD FAMILY SCALES.



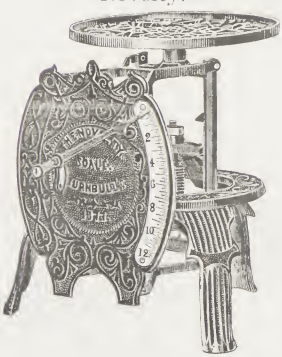
No. 170.



No. 192.

Turnbull's Patent, each, $4.00

Novelty.



No. 198.

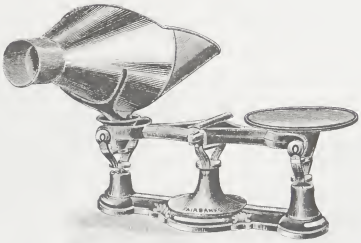
Windsor.

No. 198—12 pound Scale, to weigh by ounces, with Platform, each, $2.00

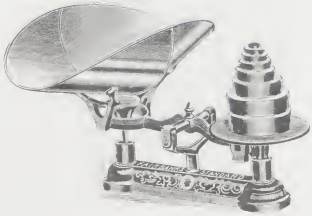
Windsor Family Scale; weighing 15 pounds by ounces, " 3.00

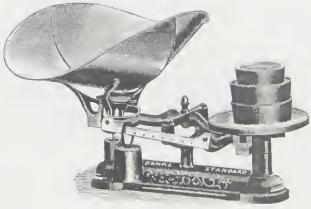
SIMMONS HARDWARE COMPANY.

GROCERS' EVEN BALANCE TRIP SCALES WITH FUNNEL SCOOP.



With Iron Weights.

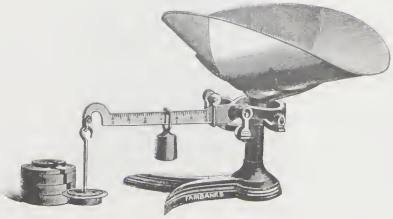




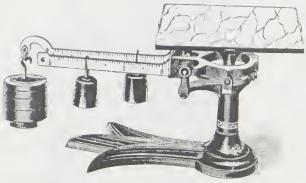
With Side Beam.

No. 661, Even Balance, ½ oz. to 10 lbs., Tin Scoop,	each,	$7 00
673, " " ½ oz. to 6 lbs., " "	"	6 00

COUNTER.

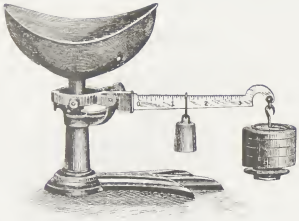


BUTTER.



With Square Marble Plate 16x12 Inches.
Double Beam.

No. 554, Counter, with Tin Scoop, Weighs ½ oz. to 36 lbs.	each,	$10 00
556, " " Brass " " ½ oz. to 36 lbs.,	"	11 50
547, Butter without " Marble Plate, Weighs ½ oz. to 62 lbs.,	"	13 75
551, " with Tin " " " " ½ oz. to 62 lbs.,	"	15 00
553, " " Brass " " " " ½ oz. to 62 lbs.,	"	16 50

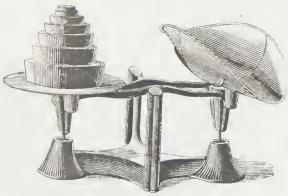


Grocers' Scales.

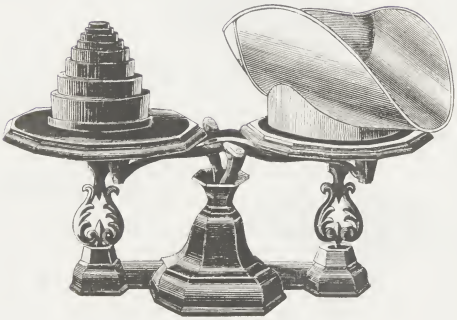
Polished Brass Beam, Tin Scoop.

No. 132, To weigh 36 lbs., ... each, $6 00
No. 133, " " 26 " . . . . . " 5 00

Hatch's Tea and Counter Scales.



Tea Scale, No. 161.



Counter Scale, No 171.

Tea Scales.

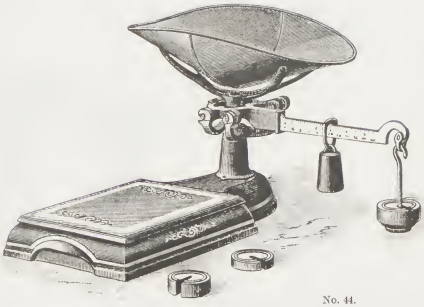
To weigh ½ ounce to 4 lbs.

No. 161, Tea Scales, . . per dozen, $15 00

Counter Scales.

To weigh ½ ounce to 8 lbs.

No. 171, Counter Scales, per dozen, $42 00



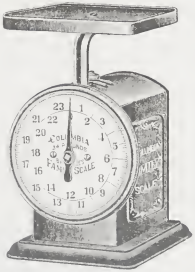
No. 44.

Platform Scales.

Nos.	Each.
40, To weigh 240 lbs., Japanned, ...	$6 00
41, " " 240 " " Striped in Bronze,	6 25
44, " " 244 " " " " "	
Steel Bearings, ...	6 60
51, To weigh 240 lbs., Painted Red, Striped in Bronze,	6 75
54, " " 244 " " " " " "	
Steel Bearings, ...	7 10
64, To weigh 244 lbs., Same as No. 44 with Dbl. Beam,	9 00

SPRING SCALES.

COLUMBIA FAMILY.

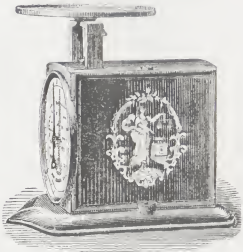


WHITE ENAMELED DIAL, SQUARE STEEL TOP.

No. 102 weighs 24 pounds by ounces. Without scoop, per dozen..... $16.00

No. 1102 weighs 24 pounds by ounces. With scoop, per dozen..... 17.50

UNIVERSAL FAMILY.



TIN SCOOP, ALUMINUM DIAL, RUBBER FEET.

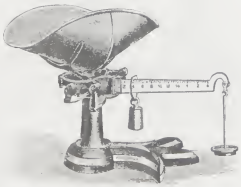
12 pound, by ounces, per dozen..... $39.00

24 pound, by ounces, per dozen..... 45.00

48 pound, by ounces, per dozen..... 51.00

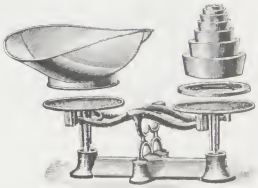
EVEN BALANCES.

TEA.



No. 580, Tea Scale, with Tin Scoop. Weighs ¼ oz. to 8 lbs.,

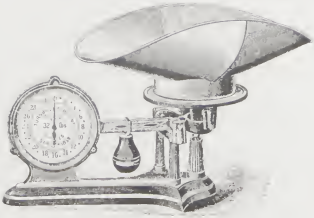
582 " " " Brass " " ¼ oz. to 8 lbs.,



No. 260, with scoop, will weigh to 2 pounds. Per dozen..... $17.00

No. 261, with scoop, will weigh to 4 pounds.

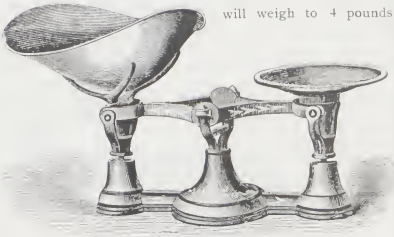
MARKET SCALES.



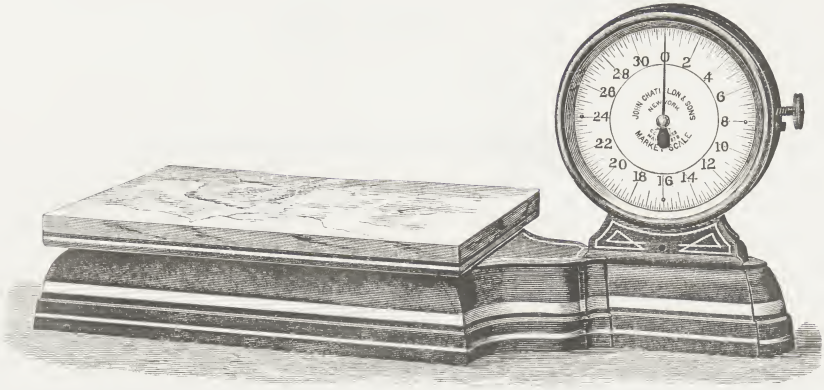
NO. 32 WITH SCOOP

No. 32, counter scale, brass scoop, 32 pounds by ounces, 7-inch dial, red finish, each $16.00

No. 33, counter scale, without scoop, 32 pounds by ounces, 7-inch dial, marble platform, red finish, each 16.00



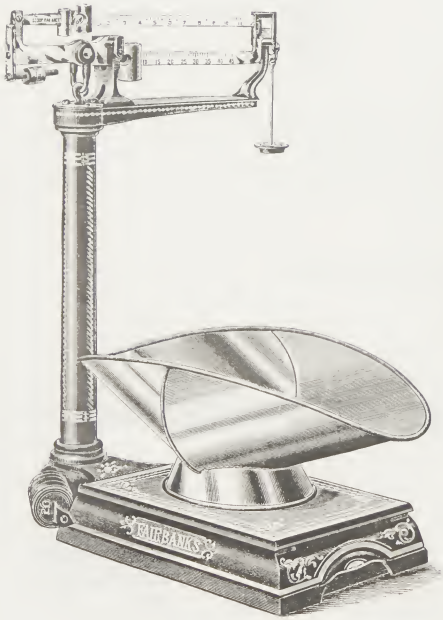
CHATILLON'S MARKET SCALES.



No. 69.

With Marble Slab.

No. 69,	Weighs from 1 oz. to 32 lbs.,	each, $14 00
79,	" " 2 oz. to 64 lbs.,	" 16 00



FAIRBANK'S STANDARD SCALES.

THE NEW IMPROVED GROCER SCALE.

Has patent balance, whereby Scale may be instantly balanced, with or without scoop. Capacity, 1 ounce to 50 pounds on the beam, with weights to make total capacity 250 pounds.

Platform, 10½ x 13½ inches.

The Double Beam is Nickel-plated and may be placed at eight different Angles with the Platform.

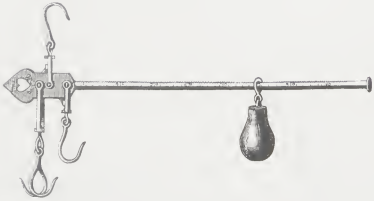
No. 518,	With Tin Scoop,	each, $24 00
522,	" " Seamless Scoop,	" 25 00
520,	" Brass Scoop,	" 25 00
524,	" " Seamless Scoop,	" 27 00

STEELYARDS.

With Balanced Heads and Stops.

American Pattern.

50	Pounds	Steel	Bar,	Weigh	by	Ounces,							per dozen,	$5 50
100	"	"	"	"	"	2	"						"	7 00
150	"	"	"	"	"	4	"						"	9 00
200	"	"	"	"	"	4	"						"	10 00
250	"	"	"	"	"	4	"						"	11 00

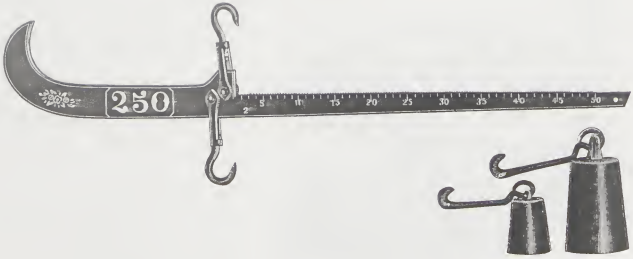


Balanced Heads and Stops. Warranted Correct. Heads and Poises Painted Red.

Farmers' Pattern.

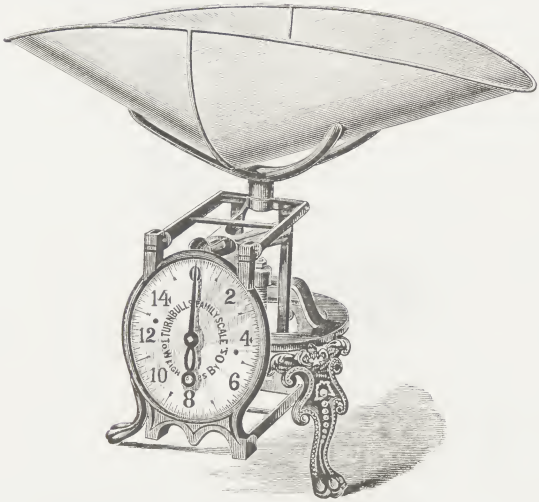
50	Pounds	Steel	Bar,	Polished	Malleable	Hooks,	Weight	by	Ounces,				per dozen,	$ 9 00
100	"	"	"	"	"	"	"	"	"				"	10 00
150	"	"	"	"	"	"	"	"	"				"	12 00
200	"	"	"	"	"	"	"	"	"				"	15 00

SCALE BEAMS.



Pounds,	200	250	300	350	400	500	600	700
Each,	$1 60	1 90	2 10	2 50	2 90	3 50	4 00	4 66

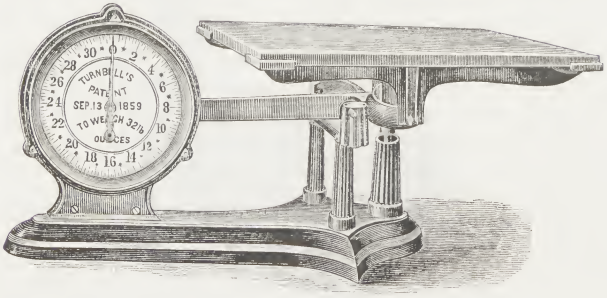
TURNBULL'S FAMILY SCALES.



No. 56.

No. 53,— 8 lbs. Scale with Platform,	per dozen,	$30 00
No. 54,— 8 " " 15 inch Tin Scoop,	"	33 00
No. 55,—16 " " with Platform,	"	33 00
No. 56,—16 " " 18 inch Tin Scoop,	"	36 00

TURNBULL'S MARKET SCALES.



No. 33.

No. 26,—16 lb., x ½ oz., Marble Slab, Glass Sash,	each,	$13 50
No. 33,—32 " x 1 " " "	"	15 00
No. 43,—64 " x 2 " " "	"	16 50

FAIRBANK'S STANDARD SCALES.

DROP LEVER.

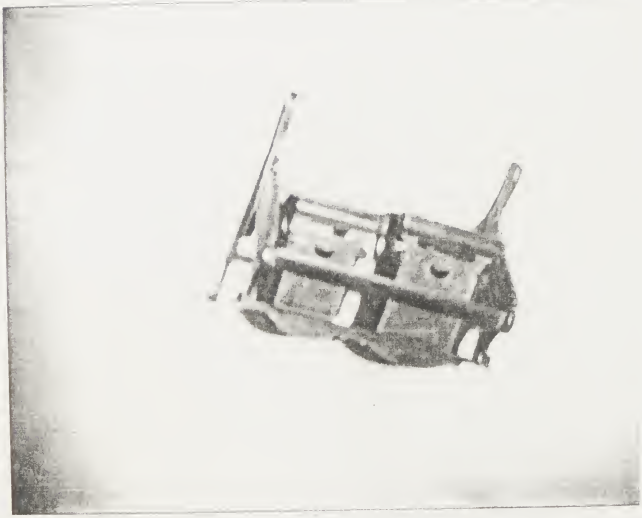
With Heavy Wheels and Drop Lever.

No. 1166,	Capacity	2500 pounds,	Platform	23 x 30 inches,		each, $94 00
1168,	"	2000 "	"	23 x 30	"	" 82 00
1170,	"	1500 "	"	21 x 28	"	" 70 00
1172,	"	1200 "	"	20 x 28	"	" 59 00
1174,	"	1000 "	"	17 x 26	"	" 51 00

PORTABLE PLATFORM, VIBRATORY AXLE.

With Wheels and Vibratory Axle, Sliding Poise.

No. 1182,	Capacity	3000 pounds,	Platform	30 x 39 inches,		each, $135 00
1184,	"	2500 "	"	23 x 30	"	" 102 00
1186,	"	2000 "	"	23 x 30	"	" 90 00
1188,	"	1500 "	"	21 x 28	"	" 77 00
1190,	"	1200 "	"	20 x 28	"	" 65 00
1192,	"	1000 "	"	17 x 26	"	" 57 00



Dear Eric;

Finally found the coin weight information that I spoke to you about. Note that the "One Dollar" weights were for the English Trade Dollar" and not the U. S. Weight of 17 dwt 6gr. (268.35 grains) is too light for U. S.

Other weights are of special interest. $1, $3, $4, $5 and $10.for the U. S. gold coinage.

He telephoned to point out error on 268.35 grains

He is wrong on 6 gr as it is 6½

17 dwt 6½ gr = 414½ gr.

11. Brits, 1800

12. Brits, 1825

Vanaf 1795 werd door de Verenigde Staten een gouden Eagle met een massa van 17,5 g uitgegeven, in waarde overeenkomend met 10 zilveren dollars. Spoedig volgde de halve Eagle, in 1849 de enkele gouden dollar, in 1854 een munt voor drie dollars en in 1879/80 de z.g. Stella van vier dollar.

13. Engels, 1880, voor de gouden US-dollars

from
Alex Melis

THOMPSON'S

BANK NOTE AND COMMERCIAL REPORTER,

Adapted to New York, Philadelphia, Baltimore and Boston,

Making it equivalent to a local Bank Note List for each of the above cities.

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Or, American Gold Coin Test Scale.

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Price 50 Cents.

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Envelopes, of every [illegible]

Embossed Envelopes and Note Paper; Wedding [illegible]

Equilibrium 1885

Old Advert

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BERRIAN'S PATENT.

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LENGTH, 9 INCHES.

POSITION OF SCALE WHEN COIN IS GENUINE.

POSITION OF SCALE WHEN COIN IS COUNTERFEIT.

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It is a perfect scale and weighs with the nicest accuracy, and gives the exact thickness and diameter of all the principal U. S. gold and silver coins, thus detecting the counterfeit at once. No person can be defrauded who uses this detector. It is constructed on scientific principles, yet so simple that all can understand it at a glance, and no handling can affect its action. It is manufactured of brass, heavily nickel-plated and highly finished. It is indispensable to all handling gold and silver coins.

Per dozen, ... $7 20

DIRECTIONS.—Place the scale on a level surface and insert the coin in the slot in the beam corresponding with the denomination of the coin to be tested. If the beam falls it is good as to weight, then pass the coin to the corresponding cross slot, if the coin passes through it is good. If the coin does not stand these tests it is worthless.

To test the weight of the gold dollar, place a twenty-five-cent coin in the five dollar gold cross or measuring slot and *lay* the gold dollar against it in front; if good the scale will fall.

N. B.—Old United States gold and silver coins are larger in diameter than those of more recent coinage, particularly silver half dollars from 1836 to 1850, therefore, though weighing correctly, will not pass through the measuring slots. Do not reject them on this account.

Harper's New Monthly Magazine
Vol XXIV Dec 1861 ~~May 1862~~

begins p 16 "Making Money" by Lucile Abbott

(p 8) p 27

"Just in front of the triangle will be seen an upright tube made of brass, and of the size to hold the blanks to be coined. The blanks are examined by the girl in attendance, and the perfect ones are placed in this tube. As they reach the bottom they are seized singly by a pair of steel fingers, in motion as similar to that of the finger and thumb as is possible in machinery, and carried over the collar and dropped upon the die

p 28

"The sides of the collar are fluted, and the intense pressure expands the blank about the sixteenth of an inch, filling the collar and producing with coin the fluted or reeded edge."

This is coining ~~$~~ 20 gold, pressure 75 tons.

Harper's New Monthly Magazine

Magazine p. 16 "Making Money" by Wilde Abbott Vol XXIX Dec 1864

(N.C.) 28

"The silver pieces and sometimes the small gold, are counted on a very ingenious contrivance called a 'counting-board', somewhat resembling a common washboard: they are all ~~[illegible]~~ subsequently weighed, however, to verify the correctness of the counting

Searborn Patent
Wool Sorting Scale
Betty White collection

Rec'd
1995

Moore's Patent Eagle Balance,
To weigh and gauge Half & Quarter Eagles.

Warranted so correct, that no counterfeit of sufficient weight to turn the Balance, can possibly go through the Gauge.

FRENCH'S
BOOK AND STATIONERY STORE,
78 Washington Street, Boston.

CONSTANTLY ON HAND,

Bibles, Hymn Books, Church Psalmody, Chant and Music Books, Prayer Books, Illustrated Works, Annuals, Gift and Juvenile Books and Miscellaneous Books in every style.

STATIONERY, of every description, viz:—Letter, Cap, Bill, Brown, Note, Pounding and Laid Papers, of thick and quick, and Fine Gilt Paper, Plain, Fancy, Embossed, Visiting and Dominos and Gilt Cards, Bristol and London Board, Perfumed & Drawing and Tracing Papers; Drawing and Writing Pencils, Gold and Silver Pencil Cases, with or without gold pens, Crow's, Gillott's, Wirsch's and other Steel Pens of every variety, Pen Holders, black, blue and bluish-black Inks, Sealing Wax, Wafers, Mandrel Inks, Mucilage and Sealers, Paper and Pen Knives, Quills, Pen Racks, Slates and Slate Pencils; *Land, Blank, Account, Check and Memorandum* BOOKS, made of superior paper, Writing Books, with or without copies; together with a large assortment of Fancy articles, WHOLESALE OR RETAIL, on liberal terms, by

J. French

No. 78 WASHINGTON STREET.

N. B. Bill-Heads, Marriage and Visiting Cards Engraved and Printed in the best style at shortest notice. ☞ Country Traders, Booksellers, Teachers, Clergymen, Banks, Railroads, Insurance and other Companies furnished on the very best terms.

ARCADE CARD SALOON.

N. S. DEARBORN,
No. 1 Water St., and 12 Spring Lane,
(LOWER FLOOR,) BOSTON.

Great attention is paid to painting Cards, for either Marriage, Address, Visiting or Business, so that the Ink will remain firm on the Card.

JOB PRINTING.

Particular attention is given to this Branch. *Bill-heads, Circulars, Bill-lets, Blank-lets*, &c., done in neat style.

CARD ENGRAVING

Executed in a most beautiful manner. Also, Marriage, and Business Card Plates, done in the best style of the art.

COPPER PLATE PRINTING.

Cards printed from Copperplate, at short notice; also, Maps, Hearses, &c.

DOOR PLATES, all sizes, prices, and qualities. EMBOSSING WORK done promptly.

CAHILL TOLMAN,
COMMISSION MERCHANT,
— AND —
MANUFACTURERS' AGENT

For the sale of every description of

PLAIN & PAINTED WOODEN WARE,
AND DEALER IN

Wrapping Paper, Mats, Cordage, Willow Ware, Brooms, &c.

No. 5 Canal and 12 Merrimack St.

(Opposite Maine Passenger Depot, Haymarket Square.) BOSTON.

☞ Agent for the sale of Wood & Nute's Superior Platform and Counter SCALES. Dr. Brooks's, Barker's and other FRICTION MATCHES, put up in the most convenient manner for transportation and use.

Connecticut Mutual Life Insurance Co.

1st. On the 31st of January, 1851, this Company closed up another fiscal year of its career, unequalled by any other Company—finding from 2,598 new policies, the sum of $1,918,406.73 in the annual income, $70,000, and declared a dividend of 26 per cent on 1111 Policies, which expired within those for a term of years.

2d. The Annual Report of the Directors shows the Capital of the Company already accumulated, and safely and profitably invested, to be $218,167. Add this to the $1,918,406.73, of income, which cannot be less than $1,000,000, and we have over and above the payment of all its liabilities

$1,918,406.73.

3d. This Company, incorporated in Feb., 1846, was the first one of the kind in the United States, and offers ample security to insurers, and security and profit to stockholders, in addition to the immense saving from distribution of the net profits among the policy holders, as contributed mutual members. The large number of remarkable Life Policies issued by this Company, establishes some much to be seen here and in other, and particularly the Report of the Institute.

4th. It was a distinctive practice of this Company to refund to its policy holders, at the expiration of every five years, during the life time of its members.

5th. It was a distinctive practice of this Company, to publish through the press a Monthly Report of the number and class of policies issued, so that each policy holder may be continually informed of the business of the Company.

6th. All records relative equitably to dividends upon earned premium, which dividends are declared annually.

7th. A note may be given for one half the premium when it amounts to fifty dollars.

8th. *Policies taken for Company's use, and to share in, any part of the profit accrued to date.*

9th. Forms of application, Pamphlets, Reports, may be had at our office, or they will be sent to orders, post paid.

Referees—Hon. Nathan Dale, E. D. Brigham, Austin C. Lombard, John W. Sullivan, Snow & Rich, Joshua A. Palmer.

Medical Examiner—JAMES B. GREGERSON, M. D.

Blaisdell & Orvis, Agents, 28 State St., Boston.

IMPROVED

FIRE PROOF SAFES!
Warranted free from Dampness & Mould,

And with all the recent improvements, including Powder and ROGERS PROOF Locks.

The subscriber is fully prepared to show that these Safes are equal, in all respects, to any now manufactured in the United States, they having, in a number of instances, been fully tested by fire. Persons desirous of any particular form of inside, or mahogany case, can have the same made to their order.

Also, manufactured to order, and sent to any part of the United States and British Provinces, all kinds of MACHINERY, Iron Cornice, Gates, Balustrades, Doors, Shutters, Sashes, &c.

JOSEPH R. BRYANT,

No. 30 Causeway St., Corner of Lancaster St. Boston.

GOLD STANDARD BALANCES
FOR

BANKING HOUSES,
HOWARD & DAVIS,
MANUFACTURERS,

BOSTON, MASS.

C. C. KING,
IMPORTER AND MANUFACTURER OF

Mathematical, Nautical, Surveying
— AND —
GAUGING INSTRUMENTS,
NAUTICAL BOOKS, CHARTS, &c. &c.

No. 7 Broad Street,

(THIRD STORE FROM STATE STREET,) BOSTON.

JAMES BOYD & SONS,
27 Merchants' Row, Boston,

MANUFACTURERS OF

ENGINE HOSE, OIL AND MOLASSES Do.
Fire Buckets, Saddles, Bridles,

COACH, GIG AND WAGON HARNESS
OF EVERY DESCRIPTION,

English Sole Leather, Travelling Trunks, Valises, &c.

☞ All articles manufactured in this establishment are WARRANTED of the best quality, and purchasers are invited to call and examine our Stock.

ORGANS!

Having superior facilities for manufacturing and purchasing to the best advantage, with a factory, which, for adaptation to the business is unsurpassed, and having in our employ a larger number of workmen than any other *three* New England Establishments, (many of whom have been engaged in the business from twenty to thirty years,) consequently being enabled to benefit by the practical operation of division of labor, we are prepared at the shortest notice to furnish ORGANS at the lowest prices, for cash or approved credit, which we will warrant to combine the *separate* good qualities of the best instruments now made, and be elegant of exterior, *perfection* of tone, and mechanism unsurpassed; the purchasers, or persons appointed by them, to be the judges. Second hand Organs taken in exchange, and constantly for sale. Purchasers will find it decidedly for their interest to make *direct* application to ourselves. Professional reference to any extent, and of the highest authority furnished when desired.

W. B. D. SIMMONS & CO.

Organ Builders, 36, 38, 40 & 42 Causeway St.

(ENTRANCE, No. 40.) BOSTON, MASS.

NEW INVENTION.

United States Gold and Silver Counterfeit

COIN DETECTOR.

SHOWING AT ONCE THE THREE TESTS, BY WEIGHT, DIAMETER AND THICKNESS.

PRICE $2.50 EACH.

The resumption of Specie payment and the current use of gold and silver coin has given counterfeiters a new field of operation, which they have already energetically improved by the issue of spurious "Trade" and new "Legal Tender" United States Silver Dollars, with counterfeits of the small coins of that metal, in great quantities. Recently, a number of exceedingly dangerous counterfeits of United States Gold Coins, of various denominations, have been manufactured on a large scale, and, with any amount of old style bogus, are being rapidly shoved into circulation.

The attention of bankers and men of business is especially invited to the "Coin Detector" here advertised and illustrated; it is the best Coin Scale in existence adapted to common use, and by far the cheapest, considering the quality of the article and its general usefulness.

N. B.--Agents wanted in all parts of America; for sample outfit and terms, forward $3.00 to

JOHN S. DYE,

1338 CHESTNUT ST., (Opp. United States Mint,) PHILA., PA.

Dye's Coin Det. Co. Letter 100

May 1879 Phila

Notes and Queries

Query number 119 from E COHN

This H Troemner advertisement comes from Colton's General Atlas, New York, 1856 trade book. As you will see, Troemner advertised *Bevringer French Counter Scales*. EQM has never mentioned that name. What have you on Bevringer? If they are the scales shown across the bottom of the advertisement, they look beautiful. So, what can you tell me? Is there a catalogue by Troemner in about 1850?

Assay Balances,
Bank Balances,
Platform Scales,
Post Office Scales,
Gold "
Druggist Counter Scales,
" Prescription "
Grocers' Scales,
Butchers' "
Bevringer's French Counter Scales,
AND
Weights of all sorts and sizes.

Reply from the editor

Troemner was using a variation of the name *Béranger*, a French company whose owner had invented a parallel linked counter scale, more elaborate than the familiar roberval scales. Your question triggered a major part of this issue to explaining these practical and decorative scales. The scales each side of Troemner's name in the advert are roberval scales. The beautiful scales along the bottom are all equal-arm scales & comprise, probably, a bank scale, a druggists scales & an assay balance, (with thin pillars each side of the pillar forming primitive rests for the beam.)

The oldest Troemner catalogue that I have is their 1926 one, but I presume that earlier catalogues have survived in the U S. Any owner of an earlier catalogue might like to arrange for ISASC to reprint it, as Troemners made interesting, varied and unusual scales, which were greatly admired by Michael Crawforth. He considered that Troemners were the most exciting general scale makers in the United States.

In parenthesis, another American company that had trouble with French names was Herman Kohlbusch. In the 1902 catalogue, they advertise Robervahl scales! At least their spelling had the effect of getting the customer to a reasonably accurate rendering of the French pronunciation!

BANK NOTE ENGRAVING.

DANFORTH, BALD & CO.

Bank Note Engravers and Printers,

No. 1 WALL STREET, N. Y.—No. 95½ WALNUT ST. PHILADA.

NO. 78 STATE ST., BOSTON.

AND

FOURTH STREET, NEAR WALNUT, CINCINNATI.

Original designs for Vignettes and other embellishments furnished, when desired, without charge.

March, 1851.

SMITH & BUTTLES'

IMPROVED

LETTER AND INVOICE FILE,

SECURED.

PATENT

MANUFACTURED AND FOR SALE BY

CROSBY & NICHOLS,

PUBLISHERS, BOOKSELLERS AND IMPORTERS,

AND

GENERAL AGENTS FOR ALL PERIODICALS,

111 Washington St., Boston.

This invaluable article not only combines every facility for ready reference to letters, bills, or other papers, of any date, may be found instantly, thus rendering it superior to all other methods. The prepared surface of the paper will receive only ink, thereby preserving the paper laid upon them.

☞ Files made to order, and bound to match Account Books, if desired.

☞ A liberal discount to the trade.

BLANK BOOKS, Stationery and Fancy STATIONERY, WINDOW SHADES, WALL PAPER, and other MISCELLANEOUS WORKS, constantly on hand, and for sale at the lowest market cash prices.

JAMES L. LYELL,

Banking and Collecting Office,

DETROIT, MICHIGAN.

REFERS TO:

Messrs. Nevins, Townsend & Co., Carmann & Whitehouse, Strachan & Scott, *N. York.*

HOWARD & DAVIS,

34 WATER STREET, ... BOSTON, MASS.

MANUFACTURERS OF

GOLD STANDARD BALANCES,

FOR BANKS.

March, 1851.

NEW VARIETIES

OF

GOLD AND SILVER COINS,

COUNTERFEIT COINS, AND BULLION;

WITH MINT VALUES.

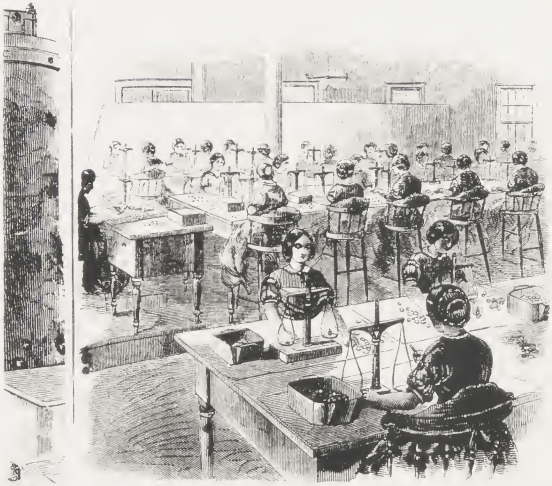
SECOND EDITION,
REARRANGED, WITH NUMEROUS ADDITIONS.

BY

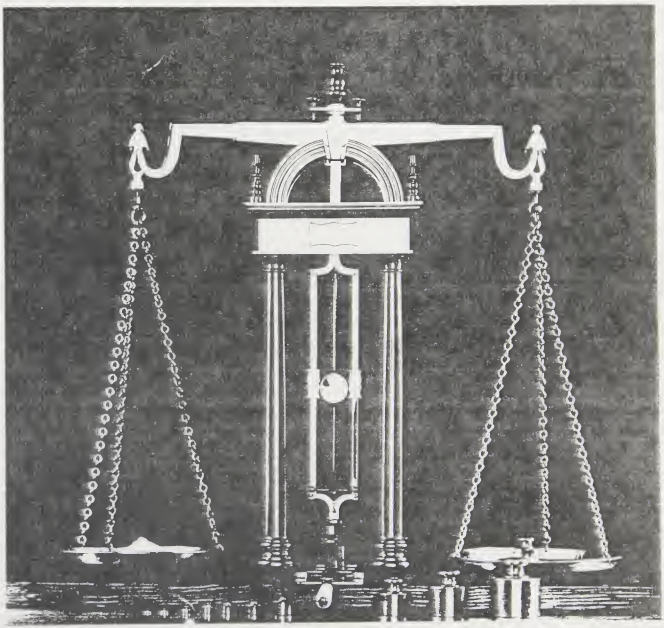
JACOB R. ECKFELDT AND WILLIAM E. DU BOIS,
ASSAYERS OF THE MINT OF THE UNITED STATES.

TO WHICH IS ADDED,
A BRIEF ACCOUNT OF THE COLLECTION OF COINS BELONGING TO THE MINT.
SECOND EDITION, ENLARGED.
BY WILLIAM E. DU BOIS.

NEW YORK:
GEORGE P. PUTNAM, 155 BROADWAY.
1851.



Adjusting the planchets—a feminine vocation.



Howard and Davis of Boston, Massachusetts, U.S.A, were primarily makers of banjo-shaped clocks, but they also made scales for the United States Post Office and made bullion scales of magnificent proportions. The Spanish Peak Mining Company of Plumas County, California owned this beauty originally. The Wells, Fargo and Company Express of Columbia, California owned a huge Bullion scale of the same design, as did the San Francisco Mint. Seeing that Howard and Davis for the first time was exhilarating, as it gleamed triumphantly in the window of the Mint, easily drawing the eye away from the 50,000,000 dollars worth of gold ingots on display on the other side of the room.

DIAL COIN TESTER
DIRECTIONS

Let us test or examine a 50 cent piece. Move the dial to the right with thumb and finger so that the mark 50 is at index. Place the coin on face at left side so that the edge touches the lip. Lined up, and it will balance as genuine. Should it appear to be larger than usual you may test the size (diameter and thickness). On left end are two scales, one side for gold and the other for silver coin, which will be readily understood. The thickness will vary in coin, owing to milling at edge. It should be tried in about three places and it will average about the mark set for each coin. Coin worn by handling will measure a trifle less. The danger is the coin measuring larger than the scale indicates. The jingle should be tried in doubtful pieces which is always good in genuine coin. All other pieces gold and silver are tested in the same way.

DESCRIPTION OF KNOWN COUNTERFEIT COIN DETECTING MECHANISMS

Already Included on IV-4-4

(Directions on Box)

~~Mark new page IV-4-4A~~

MARKABLE PATENTS
[CHP IV SEC. 4]
[IV-4-4A]

©Underwood

THE MONEY-MAKERS

A view of the interior of the United States Mint, showing the automatic weighing machines, which weigh and separate gold disks which are afterwards stamped as coins by high-power die presses.

EPN Collection

Cast Iron Bullion Scale with base containing holders for 16 weights.

Base design has

METRIC No. 10

PAT'D FEB. 18, 77

HENRY TROEMNER, PHILA (sic)

2 Kilo

1 1 500 200 100 100 50 20 20

False 2 Kilo

5 10 1 2 2

Brass lid on circled weights

Feb 13, 1877 # 9,743 Design Patent

Slight error in date is normal.

UNITED STATES GOVERNMENT STANDARD.

Infallible Gold and Silver Coin Scale

AND

COUNTERFEIT COIN DETECTOR.

INSTANTLY DETECTS COUNTERFEIT AND LIGHT WEIGHT COINS.

Gold Coins, $20, $10, $5, $3, $2.50, $1.
Silver Coins, $1.00, 50 Cents, 25 Cents.

Approved by the United States Government, and now in use in all the departments; also Bankers, Brokers, Insurance, Express, Railroad and Telegraph Companies, Municipal and State Authorities, and Business men generally throughout the United States and Canada.

Gold and Silver Coin being out of circulation for years, is now becoming the chief circulatory medium, and gives to Counterfeiters, and persons engaged in sweating, abraiding, filling, clipping the Gold and Silver Coins, a field of operation which they have energetically used by issuing Counterfeit Coins, and sweating, abraiding, and making light the genuine coin in immense quantities.

With the INFALLIBLE COIN SCALE in your possession, it is impossible unknowingly to take a Counterfeit or light coin.

Elegantly nickel-plated, mounted on metal stands, with box and directions complete, packed and delivered in good order, to any address, on receipt of price.

With each Scale the proprietors give the Full Standard and least legal current Weight of all Gold Coins, the standard weight of all Silver Coins, and the amount for which each denomination is a legal tender.

SPECIAL OFFER.

To all new subscribers to Underwood's Bank and Counterfeit Reporter for 1883, we will send one of these scales by mail, postpaid for $1 additional.

☞ To all others, $2.

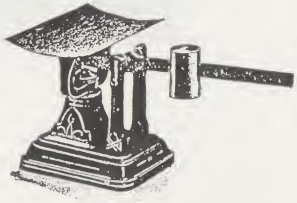
Underwood's Bank Reporter with Counterfeit Reporter and Infallible Coin Scale $6.00
Underwood's Counterfeit Reporter with Coin Scale..... $1.00
Make Drafts or Money Orders payable to and address

UNDERWOOD REPORTER CO.,

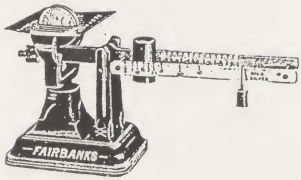
P. O. Box 2624. 267 Broadway, New York.

Catalogue section 564
FAIRBANKS
STANDARD SCALES
MISCELLANEOUS SCALES
Copyright - 1906 by
E and T. FAIRBANKS AND CO.
St. Johnsbury, Vermont, U.S.A

Postal Scales



Postal.

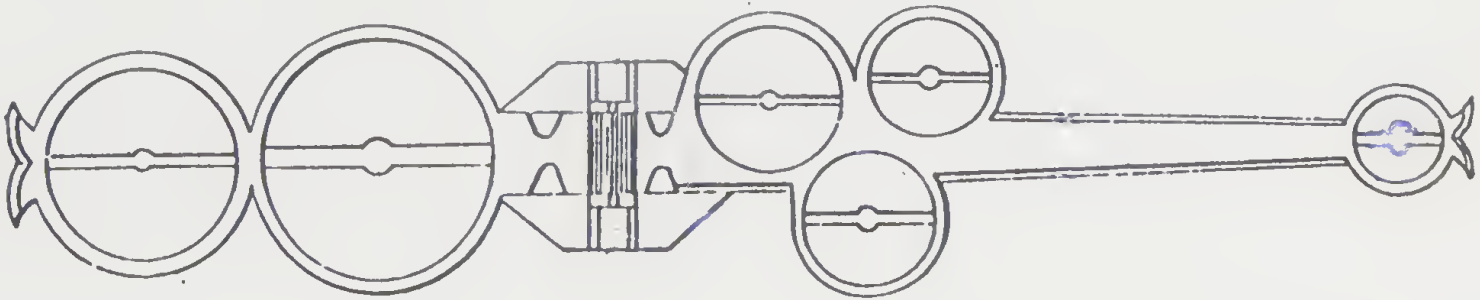


Postal and Coin.

For description of ordinary Postal Scales, see following page.

The Postal and Coin Scales above illustrated are for United States Coin only. The slots in the pan determine the diameter and thickness of genuine coins, and by use of the "Coin" beam the weight of the coin is given. Thus the three necessary requirements—weight, diameter and thickness—are shown. The main beam may be used for weighing ordinary postal matter. Scales are furnished with Coin Beam only when so ordered.

No.		Capacity, Ounces.	Price, Brass.	Price, Nickel Plated.
601.	Postal	9 x ¼	$3.00	$5.00
613.	"	16 x ½	4.00	6.00
604.	"	34 x ½	6.00	8.50
617.	Coin only	9 x ½	4.00	6.00
618.	Postal and Coin	9 x ½	5.00	7.00



COUNTERFEIT DETECTOR.

21, 1853, to 192 grains.
12, 1873, to 12[illegible] grains, or 192.9 grains.
al year ended June 30, 1876, $109,[illegible]23,190.50.
silver piece has been fearfully counterfeited. The
ickly plated, glassy ring. One dated 1876, body of
weight, good ring. This is well calculated to de-
rather thick. [illegible] dated 1874, ready, not dangerous.
Quarter-Dollars.
2, 1792.
[illegible] to 104 grains.
[illegible] to [illegible]
[illegible] to 9[illegible] grains.
[illegible] to 6[illegible] grains.
[illegible] grains or [illegible] grains.
[illegible] ended June 30, 1876, $27,1[illegible],916.50.
is counterfeited [illegible] counterfeiters, and like the 50
date [illegible] years of 1876 [illegible] are the best we have
the [illegible] of [illegible]. Other dates [illegible]
[illegible] ended [illegible]. The counterfeiters have de-
the [illegible] of halves and quarters.
Dollars.
[illegible] 1876.
[illegible] 1880.
[illegible] ended June 30, 1876, $2[illegible]
Dimes.
[illegible] grains.
[illegible] grains.
[illegible] grains.
[illegible] grains, or [illegible] grains.
[illegible] 22 grains.
[illegible] ended June 30, 1876, $[illegible],[illegible]16.50.
[illegible] circulation. Other dates there are but the
[illegible] all the bright appearance of a newly coin-
Lead and Zinc.
[illegible] grains.
[illegible]
[illegible] 2 grains.
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] than is
[illegible]
[illegible] and 25 per cent. nickel.
[illegible] 30, 1876, $5,747,840.
[illegible] culated to deceive. Impression of
[illegible] made from plaster moulds, can be
[illegible]
[illegible] 25 per cent. nickel.
[illegible] 30, 1876, $855,000.
[illegible] nitated. Counterfeits generally
[illegible]
[illegible] to the full extent of the Law

BANKING AND FINANCIAL

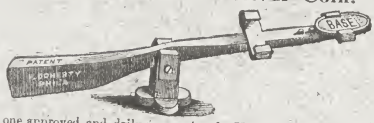
CHASE NATIONAL BANK OF NEW YORK,

117 BROADWAY.

This new Bank, organized by the founders of the First National Bank of New York, who have sold out and retired from that institution, will open for business about September 20, 1877.

SAMUEL C. THOMPSON, President,
late President First National Bank.
JOHN THOMPSON, Vice President,
late Vice President First National Bank.
ISAAC W. WHITE, Cashier.
late of Poughkeepsie, N. Y.

Infallible Test for Silver Coin.



The only one approved and daily in use by the U. S. Treasury at Washington, the U. S. Mint at Philadelphia, and other Government offices, where it has been thoroughly tested by experts, who recommend it as being *Perfectly Reliable*, and the best they have seen. This instrument makes by one move the THREE ESSENTIAL TESTS OF WEIGHT, DIAMETER AND THICKNESS. It detects the most dangerous counterfeit instantly. It has already proved its superior merit in over fifty banks, where it has taken the place of various other tests. It is very neat and strong, made of hard brass with steel pivot, finely and accurately adjusted and cannot get out of order.

We believe every invention made during the last quarter of the century, for the detection of counterfeit coin has been presented to us for inspection and endorsement, but *with this single exception* we have always found them unreliable; we therefore take pleasure in recommending it as of great practical value for the uses intended. Nicely enclosed in a box and sent to any address, with postage paid, on receipt of price.

PRICE, Plain, $2.00; *Silver Plated*, $3.00.

JOHN S. DYE.
605 Walnut St., Philad'a.

CURING PACKING AND SMOKING ESTABLISHMENT.

JOHN BOWER & CO.,

PROVISION DEALERS,

S. W. Cor. 24th and Brown Sts.

JOHN BOWER.
FRANK BOWER.
W. ENTENMANN.

PHILADELPHIA.

Gov't Counterfeit Detector
John S Dye
Nov. 1, 1877

FARMERS' and MECHANICS' National Bank,

GEORGETOWN, D. C.

H. M. SWEENEY, *President.* WM. LAIRD, Jr., *Cashier.*

Capital, $252,000. Surplus, $53,000.

NEW YORK CORRESPONDENTS—
Importers' and Traders' National Bank.
Gallatin National Bank.

Organized 1814—Nationalized 1872.

H. D. COOKE, Jr. & CO., Bankers,

WASHINGTON, D. C.

General Banking Business in all its branches.

Collection of Government Vouchers a specialty.

FIRST NATIONAL BANK Of Alexandria, Va.

S. FERGUSON BEACH, Pres. CHAS. R. HOOFF, Cash'r.

Capital...$100,000 | Surplus....$20,000

New York Correspondent.....Nat. City Bank.
Philadelphia " .....Phil. Nat. Bank.
Baltimore " .....First Nat. Bank.

☞ Especial attention given to COLLECTIONS, and remittance made on day of payment.

National Metropolitan Bank,

Late Bank of Metropolis, *Organized Jan 11, 1814.*)

WASHINGTON, D. C.

J. W. THOMPSON, *Pres.*; GEO. H. B. WHITE, *Cash.*

Capital, $300,000. Surplus Fund, $150,000.

NEW YORK CORRESPONDENT AND RESERVE AGENT, *National Park Bank.*

Collections made on all points North, West, and South, and remitted thereto daily or weekly at lowest rates. Promptness and accuracy guaranteed.

THE NATIONAL REVERE BANK OF BOSTON

OFFERS ITS SERVICES TO BANKS, BANKERS, AND MERCHANTS.

Collections promptly made throughout the United States and Canada on liberal terms.

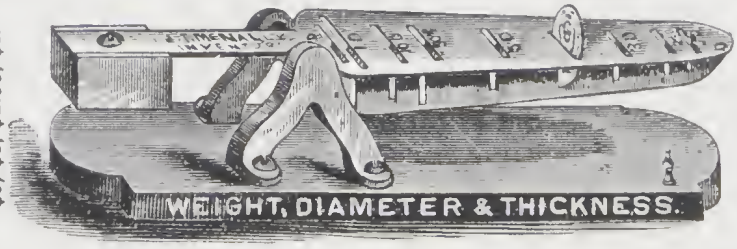
☞ CORRESPONDENCE SOLICITED.

GEO. S. BULLENS, PRES'T. H. BLASDALE, CASHIER.

AMERICAN GOLD AND SILVER Counterfeit Coin-Detector,

Showing, by one motion, the three necessary tests, WEIGHT, DIAMETER, & THICKNESS, is in daily use by the United States Government, by leading Bankers, and others.

GOLD COINS, $20, $10, $5, $3, $2.50, $1.



Silver Legal Tender, $1, 50 cts., 25 cts.

TREASURY OF THE UNITED STATES, WASHINGTON, *November* 28, 1879.

A. S. PRATT & SON:

GENTLEMEN: I have examined and tested the "American Gold and Silver Coin-Detector" for sale by you, and find it correct.

If this office were not already supplied, I would recommend their purchase for counter use in the Cash-Room. This Coin-Detector, for accuracy and cheapness, is the best I have seen.

Respectfully, J. W. WHELPLEY, *Cash'r U. S. Treas.*

The above represented instrument is entirely reliable, and affords complete protection against Counterfeit Coin. Its convenience, accuracy, simplicity, and cheapness recommend it to popular use.

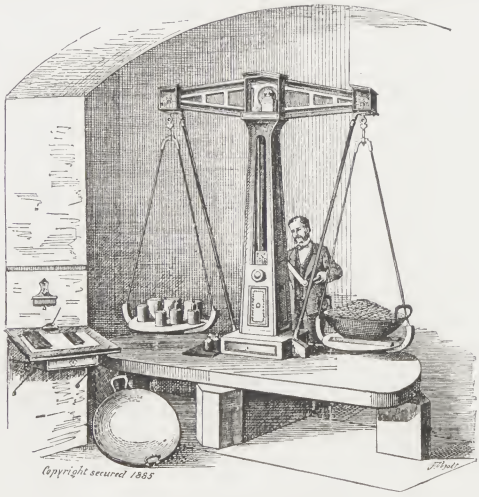
It is nickel-plated, mounted on walnut base, and will be sent to any address in the United States or Canada on receipt of $2.50, by

A. S. PRATT & SON,

National Bank Agents, and Publishers of Underwood's Counterfeit Dectector,

LOCK-BOX 52. WASHINGTON D. C.

tude of all gold and silver coin before delivery. We notice with admiration the ponderous but beautifully graceful balances, which



GENERAL WEIGHING ROOM.

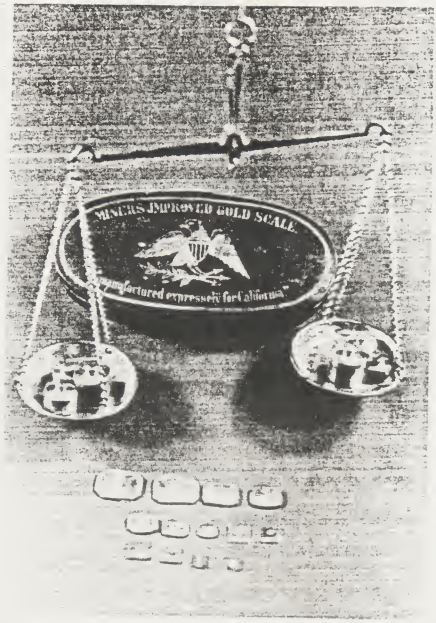
never shirk work or give a false report. This splendid Balance is probably the largest and finest in the world; the beam, of bronze, six feet in length, rests upon an iron column about five feet high; its extreme capacity is 10,000 troy ounces,—about 685 pounds, but such is its sensibility, that even when thus loaded, it exhibits a variation at the one-hundredth part of an ounce; there is no feature of more conspicuous importance to the proper transaction of business in the entire building. It was made by MR. HENRY TROEMNER, of PHILADELPHIA, who, for the last quarter of a century has manufactured all the fine scales used by the government for the weighing of precious metals. Now, and treading quickly on the footsteps of our guide, we enter

THE YARD

or square court. Rising about five feet from the pavement, against the surrounding buildings, are cages formed of heavy latticed wire

THE DEPOSIT WEIGHING ROOM.

Visitors Guide to the U.S. Mint



A typical gold miner's scale and weights. (Author's collection)

same. In either case the miner frequently netted only $6 to $8 an ounce, after paying commissions, transport charges, insurance, etc., although the dust was worth $16 to $18 at the mints. By July 1848, merchants and miners of the West were becoming disgusted with the deplorable monetary conditions.

Those who possessed dust or nuggets wanted to spend them for goods. These goods were primarily imported and not only did the sellers want silver or gold coins in exchange for them, but the customs officer also demanded hard money before he would release imported cargo from bond. Coins, therefore, were hoarded and brought substantial premiums, leaving dust to be used as a less-than-ideal medium of exchange, subject to many types of abuse. As imports into California mounted, so did the need for alleviating the monetary difficulty.

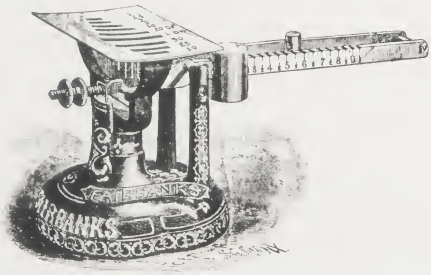
Nov 1883
Underwoods Cl Rep

(included in text)

THE

POSTAL COIN SCALE.

UNITED STATES GOVERNMENT STANDARD.



INDISPENSABLE TO ALL BANKERS AND BROKERS.

Gives Weight, Diameter, and Thickness of all Gold and Silver Coins.

MANUFACTURED BY FAIRBANKS & CO.

SENT PREPAID TO ANY ADDRESS IN THE UNITED STATES ON RECEIPT OF $5.

Make Drafts, Checks, or Money Orders payable to and address the special agents,

UNDERWOOD REPORTER CO.,
18 Spruce St., New York City.

P. O. BOX 2,624.

3/18/82

Photo Reduced

468 **Wells, Fargo Co. gold balance from about 1850.** A double pan gold balance, basically brass with steel beam. On rear of top indicator plate, "W.F. & CO. EXP." Center beam construction, 19 in. high, 8 in. deep and 23 in. long, mounted on a felt covered modern base measuring 24 x 12 x 1 1/2. When it was obtained by Mr. Clifford, it had a rotted oak base, and this was constructed to replace it.

The scale was obtained with a set of large brass weights which are included, weighing 64, 32, 16, 8, 2, 1, and 1/2. On the base of the 64 oz. weight is stamped, "SAN FRANCISCO / 1852." Apparently the 4 oz. weight has been lost. To summarize, the scale is in excellent condition, all brass with steel beam. The brass has been cleaned and lacquered. (Total: 8 items) ($750-900)

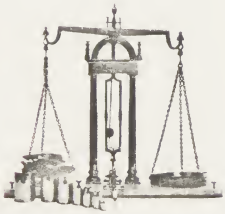


Photo Reduced

469 **Magnificent gold balance manufactured by Howard & Davis of Boston.** This striking brass scale, with ornate name plates on the front and rear, was certainly the most deluxe gold balance available in California in the 1850s. Even the handsome engraved brass plates are unique, reading: GOLD STANDARD BALANCE / HOWARD & DAVIS / MANUFACTURERS, BOSTON, MASS. / FULL JEWELLED. It should be noted that Howard of Boston was the works manufacturer of the handsome 6 ounce gold pocket watch offered in Lot 457. Constructed of brass, with a steel beam, the center support is twin columns on a 31 x 11 1/2 in. marble base with leveling screws. The scale is 25 high x 11 1/2 wide x 29 in. long. Has two low 9 in. copper pans, original scoop, and round brass disc counterweight. The counterweight is stamped for accuracy for various years (often called proofing) as follows: C. STAGG / CO. SEAL / 1856; 1857 in an oval; 1858 in diamond, S.C.C. in oval; and 1859 by itself.

Comes with a large set of brass weights, in ounces, presumably Troy. Consists of 150, 100, 50, 25, 15, 10, 2 1/2 — presumably the 5 oz. is missing. The smallest weight is stamped 1859 and has initials "CM" on the base. Comes with a 1/4 in. plexiglass display cover, with attachable wooden base. The brass and copper has been professionally cleaned and lacquered, and the scale is in overall superb condition. Certainly the most outstanding gold balance ever seen by the cataloguer. (Total: 11 items) ($1500-2000)

Photo Reduced

470 **Large brass single beam gold balance of California origin.** Deep pan balance, with center support measuring 25 1/2 high x 8 wide x 22 in. long. On original wooden base, measuring 13 wide x 5 high x 24 in. long, with large wooden drawer. No maker's name appears on the scale, but assume it dates from 1855 to 1870. Comes with a miscellaneous collection of weights, including a 10 oz. Fairbanks Troy set, missing two lower values; 3 large weights, one stamped W. SCHMOLZ / SAN FRANCISCO and nine miscellaneous brass oz. weights.

Comes with a custom 1/4 in. plexiglass cover with a locking wooden base. Brass, with steel beam. Professionally cleaned and lacquered, in excellent condition. (Total: 23 items) ($400-500)

NOTE: As noted previously, if the large scales in Lots 467 through 470 are purchased by a mail bidder, a special packing charge of our net cost will be added — no charge to floor bidders picking up their lots.

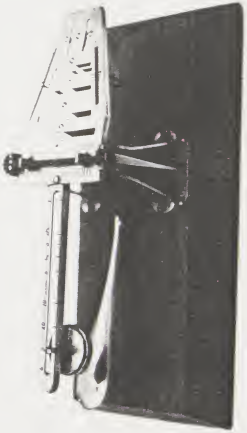
471 British sovereign balance, of about 1880 made strictly for determining the validity of sovereigns and half-sovereigns. In original leather and cardboard sliding box, with scale only 9 1/2 cm. long. Made by Harrison, but lettering on box mostly indistinguishable. Over counterweight is a stamped crown. Included with scale is a Very Fine 1853 Victoria sovereign, used for display purposes. Scale almost new with much original lustre. (Total: 2 pieces) ($225-275)

Two Most Unusual Sterling "Spoons"

472 **Sterling ladle of Theodore Dubosq while in Philadelphia.** Dubosq of pioneer gold note (see Lots 17 to 22), in the early 1840s was a silversmith in Philadelphia. This standard size ladle, 12 in. long with 4 in. wide bowl, is signed THEO:DUBOSQ / PHILADELPHIA. The initial "F" on the handle, is said to stand for Judge Charles Fernald, a 49er and the first American Alcalde of Santa Barbara, California. Alcalde is a Spanish word meaning the chief administrative and judicial officer of a Spanish town. The ladle is in Fine condition, with only one minor dent. ($150-up)

Picture from
Betty Wright
1997

Picture from
Betty Wright
1997



Draft - Betty R. Wright

FROM CONCEPT TO MANUFACTURER -- CHANGES

Thanks to the meticulous work of Colo. George Mallis, a total of 41 documents granting U.S.patents for devices for detecting spurious US gold and silver coins have been identified. The first was granted to H. G. Robinson in 1860 (EQM 1020), the last in 1944 to L. Bragin (EQM 1019). There are, of course, many for which no patent request was filed and others which were marked, "Pat. Appl'd For" although there is no evidence of a patent application having been filed.

Examples of the devices covered by about 65% of the identified patented are know to exist and, like ancient bones and footprints, others turn up on rare and unexpected occasions.

One of the latest is a previously unknown U. S. coin tester based on patent number 18,973 granted to Ferdinand. J. Herper 20 December 1875. It is thought to be the first CCD based on Herper's patent and it is the second known.

There are often substantial changes in both mechanics and style of

a device submitted for patent and the article actually manufactured. Herper's balance was no exception.

The patent drawing (Fig 1) showed two uprights which acted as the fulcrum for a slotted counterweighted plat. A fixed weight gauge, probably marked "GOOD/BASE," was affixed to one of the uprights. A swinging pointer was attached to the coin plate which had slots for testing thickness and diameter of all U. S. gold coins then in use. With the coin in the proper slot the weight beam is activated by a lever, the weight is verified by a poise pushed along the beam to the notch marked with the value of the coin. If equilibrium is achieved, the coin is good.

Herper claimed as new to his CCD only the spring-supported lever which, when depressed, brought the knife edge in contact with the bearing, thus positing it for weighing. Stating that moveable supports for the knife edge were not new, he pointed out that those in use on balances such as those utilize by jewelers allowed the bearings to rest on the knife edge when the scale was not in use, thus subjecting both the knife edge and the bearings to damages due to jarring, etc. and rendering the scale inaccurate. "This," the patent states, "cannot happen in my improvements since the knife edges never comes in contact with the bearings except when the

lever is depressed."

Lacking evidence to the contrary, it seems safe to say the balance shown here (Fig 2) was the first made to Herper's design.. The manufacturer followed the patent specification except in one important element: The highly vulnerable and cumbersome uprights had been, in effect, turned up-side-down and the swinging pointer centered on an index plate marked "GOOD/BASE" affixed to the base of the device. Herper's name and the patent date were inscribed on the coin plate.

With the manufacturing of what it seems safe to assume was the second Herper (Fig 3), the swinging pointer, the index plate and much touted lever have all disappeared. While this device carries the patent date, it had become a simple steelyard mounted on a metal base. The coin plate carried the Herper name and patent date and, doubtlessly it was accurate as the original and much was much easier to use and to store. But eliminating the lever, the only design element claimed as new, the only part of the device on which his patent was granted was also eliminated.

-- 30 --

566 Words

OPPOSITE: A selection from the Fairbanks & Co. catalogue of 1859.

1. Counter scale. ½oz to 36 lb - $7.
2. Druggist's trip scales. 5, 10, 20 or 30lb. - $ 3.50 to $6.50.
3. Cornometer, graduated in lb per bushel. $15.
4. Spring letter balance. 2oz - $1, 4oz - $1.50.
5. Prescription scales, basic version with 8 inch beam, $10.
6. Circular spring balance, range from 15lb - $2.25 to 240lb - $18.
7. Brass cup weights, Troy, from ½oz down $0.38 to 32oz down $2.50
   Nest weights, from 1lb down $1.50 to 4lb down $5.
8. Gold coin detector, Allender's patent. $1.50
9. Weighmaster's beam, prices per 100lb capacity, $0.75 to $1.50.
10. Brass weights in block, Avoir. 1lb - $5, 4lb - $8.
11. Standard grocer's scales, 18 inch version, 10lb - $9.
12. Bank scales. $50 to $500, mostly made to order.
13. U.S. Post Office balance. 8oz - $3, 2lb - $10.
14. Wheelbarrow scales. 1000lb - $ 40.

Fairbanks' catalogue of 1859 shows many more varieties of small scales than in their 1891 catalogue. In 1859 the preface states "... we have found it necessary to establish a branch manufactory, connected with our New York house, for the manufacture of Weighmaster's beams, Frames, etc, Fine gold and Druggist's scales of all descriptions, together with every other known modifications of Weighing Machines of value, except our regular Platform and Counter scales, which we continue to manufacture, as heretofore, in St.Johnsbury, Vermont. We also import all the useful modifications of Scales manufactured in foreign markets".

Examination of the range illustrated in their catalogue, suggests that the Cornometer No 3 in Fig 3, the spring letter balance, No 4, and the circular spring balance, No 6, may well have been imports, as they are clearly in the English style. The catalogue also shows German prescription scales, and French druggist's scales and gold scales.

Many of the platform and counter scales were still available in 1891, with little or no visible alteration. (End of part 1)

POSTAL SCALES EXHIBITION

Thirty-six postal scales are forming part of a History of Post exhibition. They were collected by Alan Salter, who, unhappily died at the early age of 41. Alan had intended to join ISASC, and his wife, Elizabeth, has loaned the scales to form a permanent display in his memory. Labels for the display were compiled by Warwick & Warwick, philatelic auctioneers, from data supplied by ISASC. The exhibition is at the National Philatelic Centre, 3, High Street, Warwick, England, and is open Monday to Saturday 9am to 5pm. For members planning to visit, Warwick is only 30 miles from the Avery Historical Museum, Birmingham.

Illustrated Catalogue & Price List
of
Platform and Other Scales mfg'd & for sale by New York
Fairbanks & Co. 189 Broadway
[redacted]
Nov 1, 1859

Imported French Box Druggists' Scales.

With marble top and [illegible] all [illegible] and [illegible] Scales.

No.		Price
1		$[illegible]
2		[illegible]
3		[illegible]
4		[illegible]
5		[illegible]
6		[illegible]
7		[illegible]
8		[illegible]
9		[illegible]
4		[illegible]

Silver Ware Scale.

With mahogany box, marble top, brass pans, 10 inches diameter, very finely adjusted, capacity of weighing one penny weight to 20 ounces. Price $[illegible]

Bank Tellers' Scale.

For counting or weighing up coin. Mahogany box, marble top, brass pans, levers balanced in such a manner that a weight on the right end will balance ten times the weight on the other end. Weights marked for dollars in gold. Price with weights, $[illegible]. Capacity $[illegible] in gold. Style of scale similar to Silver Ware Scale.

Gold Coin Detector

ALLEN'S PATENT.

Adapted to all denominations of United States gold coin. A valuable scale. Price $[illegible].

Silk Scale

FOR WEIGHING PACKAGES OF SILK.

Dispensing the position of iron column, brass beam, pan adapted for hanks of silk, adjusted to weigh from [illegible] to [illegible] with [illegible] in ounces. Price $[illegible] without weights.

J. M. MOORE.....J. H. CHESTER.

MOORE & CHESTER,

TEA DEALERS

S. E. cor. Fifth and Walnut-sts.

CINCINNATI.

Established, 1849.

☞ We are packing Teas in fancy canister style, of ¼ and ½ lb each, with retailer's name labelled conspicuously on each package, when desired to do so. Satisfaction guaranteed in all cases.

R. M. BISHOP.....G. W. BISHOP.....WM. T. BISHOP.

R. M. BISHOP & CO.

(Formerly Bishop, Wells & Co.,)

WHOLESALE GROCERS

Forwarding and Commission Merchants,

Dealers in Hemp, Grass Seeds, and Produce Generally.

No. 9 Front-st., East of Main, Opposite Landing,

CINCINNATI.

AMERICAN GOLD COIN TEST SCALE

This Scale is adjusted to weigh and gauge all the American Gold Coins, and is a perfect protection against COUNTERFEITS. To balance the $10 and $20 Coins, place the weight in the dollar circle. The smaller coins balance without the weight. Every genuine coin will both balance and pass through its appropriate guage. There being a trifling variation in the diameter of coins of the same denomination, of different dates, be careful to place each in the centre of its circle. The difference in thickness is so small that the gauge may be relied upon as an infallible test.

☞ All orders for this valuable Test Scale, will be promptly supplied, and the article sent free by mail, to any point in the Union, for $2.00. Letters containing remittances, registered by Postmaster, may be sent at our risk.

Address T. R. LORD & CO., No. 6 West Third-st., Cin

Every Merchant should have THE PATENT POCKET COIN DETECTOR. Price only $1.

THE PATENT POCKET COIN DETECTOR, Useful to Everybody. Price only $1.

Agents wanted for the PATENT POCKET COIN DETECTOR. Price only $1.

HOW TO SAVE AND HOW TO MAKE MONEY

RAPIDLY AND SURELY, IN AN HONORABLE BUSINESS.

AGENTS WANTED! RARE INDUCEMENTS!!

Local and Traveling Agents are wanted in every section of the Union, to introduce the

PATENT POCKET COIN DETECTOR!

FOR TESTING ALL KINDS OF GOLD AND SILVER COIN.

Price only One Dollar.

To all Country Merchants and Traders, who have no immediate access to a Bank, or Money Exchange Office, this useful instrument is WORTH TEN TIMES ITS COST. In a single year it may save its owner the loss of many dollars, by detecting for him all base or counterfeit coins. No Merchants are EXEMPT from sometimes being deceived in receiving moneys; and at the present time, there are so many new processes of counterfeiting, and so perfect are the imitations, that unless care is used, spurious money appears in the pockets or cash drawers of honest traders, and losses are entailed as a natural consequence.

The Patent Coin Detector.

Is a *Simple, Sure* and *Quick* preventive of all such losses, and is warranted *Perfect*, and a *Sure* indicator. Being made of gilt metal, weighing *less than two ounces*, and but three inches in length, *it can be carried constantly in the pocket without inconvenience.*

It is being universally adopted by the largest Exchange and Specie Brokers in our cities; and we often hear it remarked, "We would not be without it for twenty times its cost." The demand for it from our patrons is daily on the increase, and its money-saving, time-saving qualities and practical utility, are fast procuring its introduction in every section.

☞ A Circular, fully explanatory accompanies each instrument.

No Merchant should be without the Patent Detector, Price only One Dollar.

To prove this, let us suppose a merchant doing a business of ten thousand dollars per annum, take but *four counterfeit* quarter dollars a year, (this is but a small amount to be sure, but it is a loss.) An investment of *One Dollar only* saves the sum in *one year*. The instrument will *last a life time.*

A safe calculation is that a trader, doing the amount of business above stated, may take *more* than four counterfeit quarters, it may be four counterfeit *gold dollars*, (now very common, and hardly to be distinguished from genuine,) or two $2½ gold pieces, or a single $5 piece.

All saved if you own the Sure, Never-erring, Patent Detector. Costing only $1, and sent by Mail free.

NOTICE WHAT THE PRESS SAYS:

From the Daily Bulletin, Philadelphia.

A RELIABLE COIN DETECTOR. For the life of us we cannot imagine a more perfect thing of its kind, so perfect and so accurate is it, and so simple and plain withal, that, literally speaking, a blind man, with one in his possession, may bid defiance to the most skillful counterfeiter of the day.

From the Philadelphia Evening Journal.

PATENT POCKET COIN DETECTOR. No matter how skillful a counterfeiter may be, neither does it matter how much ingenuity and perseverance there may be used in the circulation of counterfeit money, honest energy, skill and industry is more than a match for the best of them. Never have we been more forcibly impressed with this belief than we were to day, when examining the new Patent Coin Detector, for testing the various gold and silver coins. The counterfeiters in this line might as well abandon their business at once; for with one of these complete articles at hand, we will defy the most perfect counterfeit coin to pass muster: detection is sure, certain, inevitable. We would say to the public who desire to be secure from loss by counterfeit coin, to obtain for themselves at once, one of these invaluable companions.

From the Evening National Argus, Philada.

PATENT POCKET COIN DETECTOR. We like it, and cordially recommend to public favor the Patent Pocket Coin Detector just introduced to the community. We have examined and tested it thoroughly, and we have no hesitation in pronouncing it, for simplicity and accuracy, the most perfect instrument of its kind ever produced. Every one now has it in their power to render themselves perfectly secure from being imposed upon with spurious coins.

From the Pennsylvania Inquirer.

PATENT POCKET COIN DETECTOR. We do not doubt but that nearly all our readers who are in business, have, before this, suffered to a greater or less extent, by being imposed upon with spurious coins. Such need be the case no longer, thanks to the enterprize of the proprietors, who have just brought before the public that much and long desired thing, *an accurate Coin Detector*. It is one of the most perfect and beautifully simple arrangements for testing the various coins that it is possible to imagine; and after a careful examination of it, and trial, by testing it with the smallest silver or the largest gold coins, we pronounce it *without* hesitation, to be the most perfect thing of the kind ever offered to the public. No business man should be without one an hour.

From the Daily News, Philadelphia.

PATENT POCKET COIN DETECTOR. We, yesterday, had placed upon our desk an article, that for its usefulness and simplicity, we have rarely, if ever seen excelled. We refer to the Pocket Coin Detector, for testing the genuineness of the various gold or silver coins now in circulation, both our own and foreign, which has just been introduced into the community. The possession of it is a perfect guarantee against being imposed upon with spurious coins. No merchant, broker, store-keeper, hotel-keeper, or any other person who handles money, should be without one.

From The Press, Philadelphia.

POCKET COIN DETECTOR. It always gives us pleasure to bear witness to any new and useful invention, and we have seldom seen anything that has deserved a warmer recommendation than this; for no one can see these perfect little instruments without at once recognizing their usefulness.

From Fitzger ld's City Item.

PATENT POCKET COIN DETECTOR. We cheerfully endorse all that is said in its favor; its accuracy is truly astonishing. It can't do otherwise than test correctly. No matter how beautifully the base coin may be gotten up, detection is sure, beyond the possibility of a doubt. It is so simple that any one can use it, even a child, with certainty. It can't get out of repair, and with care, it will last a century. To all who handle money, it is worth the price asked for it ten times told.

From the Morning Pennsylvanian.

PATENT POCKET COIN DETECTOR. They cannot be excelled for simplicity, and they cannot help testing correctly; there is an absolute certainty about them that defies deception. Will last a lifetime, and cannot get out of order. A word to the wise is sufficient.

PATENT COIN DETECTOR—Liberal terms will be made with such as wish to engage in its sale; and this article in connection with our

GOLDEN METALLIC PEN,

furnishes an opportunity seldom met with to any person who desires a light and profitable business. Samples of the Patent Coin Detector sent to any address on receipt of only ONE DOLLAR.

Call in person, or address all orders and correspondence to

S. J. BESTOR,

Importer of Watches and Manufacturing Jeweller, 34 South Third Street, Philada., Pa.

Everybody should read "The Old Stone Mansion," by C. J. Peterson.

☞ With this number all subscriptions for the year 1859 terminate. Petersons' Detector being *a Cash one*, every name is struck off, when the time for which it is paid expires. We respectfully solicit the renewal of all such subscriptions, and the interest of old friends in procuring new subscribers for us. For 1860 the Detector will, if possible to make it so, be better than ever. Remit the price of a year's subscription at once, in a letter, addressed to the Publishers, or it may be forgotten.

PETERSONS'
PHILADELPHIA COUNTERFEIT DETECTOR
AND
BANK NOTE LIST.

Corrected by DREXEL & Co. 34 South Third St.

Vol. II.] PHILADELPHIA, DECEMBER 1, 1859. [No. 47.

Published by T. B. PETERSON & BROTHERS, 306 Chestnut Street.

TO OUR SUBSCRIBERS.

With this number all subscriptions for the year 1859 terminate. *This Detector being a cash one, every name is struck off when the time for which it is paid expires.* Those subscribers whose year expires with this number, we respectfully ask for a renewal of their subscriptions, and the interest of old friends in procuring new subscribers for us. Great improvements will be made in 1860, and the Detector will be better than ever. All persons will much oblige us by remitting the amount for next year's subscription, to either the Monthly or Semi-Monthly issue of our Detector, *at once, or it may be forgotten.* We would advise all persons, for their own safety, to subscribe to the Semi-Monthly issue, and thereby receive the latest particulars in relation to all new counterfeits, etc. Over Fifteen Hundred newspapers in this country have, within the last three months, editorially pronounced *Petersons' Detector the most complete, perfect, and only one that can be relied on, published in this country;* the corrections being made by Drexel & Co., the well-known Bankers and Brokers of this city; and also advise every storekeeper in the United States to subscribe to it at once. There will be great improvements made in the Detector for 1860, and we solicit the interest of all our old friends in procuring new subscribers for us. Remit early, and address all orders to

T. B. PETERSON & BROTHERS,
No. 306 Chestnut Street, Philadelphia.

TERMS OF SUBSCRIPTION

PETERSONS' COUNTERFEIT DETECTOR.
AND
BANK NOTE LIST.

Monthly, per annum.....1 00
Semi-Monthly, per annum.....2 00

Subscriptions may commence with any month. Terms always cash in advance. All letters must be addressed to

T. B. PETERSON & BROTHERS,
306 Chestnut Street, Philadelphia.

OUR TRAVELLING AGENT.

We have appointed JOHN VOGEL, of Allentown, Pa *our sole and only travelling agent*, who has full power to canvass for, and take subscriptions for us, and give our printed receipts to any one subscribing to this Detector. He carries with him at all times, his certificate of agency from us, signed by us, as well as Alexander Henry, Esq., the Mayor of this city, with the seal of the City of Philadelphia upon it, as well as our regular printed receipts. All other persons purporting to be our agents, *are impostors.*

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TO ADVERTISERS.

We would call the particular attention of all persons to **Petersons' Counterfeit Detector** as an advertising medium. It is taken by every storekeeper in Philadelphia, and can be found in almost every store in Pennsylvania, New Jersey, Delaware, Maryland and all the Western and Middle States, and is rapidly gaining favor throughout the whole United States, and has a circulation unequalled by any Counterfeit Detector or Bank Note List ever published, now rising 50,000 copies monthly.

ADVERTISING TERMS.

Business Cards, Notices, or Advertisements, to appear in both Monthly and Semi-Monthly issue, occupying **four** lines or less, $1 per month, or $10 per year. One-quarter column, $8 per month, or $80 a year. One-half column, $16 per month, or $150 a year. The Detector will be sent Semi-Monthly to all yearly advertisers, gratis.

PATENT COIN DETECTOR.

We would call the attention of our subscribers to an advertisement of S. J. Bestor, on the last page of this month's Detector, of a new *Patent Pocket Coin Detector* for testing all kinds of gold and silver coin, price one dollar only, one of which should be owned by every person that takes gold or silver.

75 NEW COUNTERFEITS

Have been put in circulation since the issue of our Number of November 1, 35 of which were described in our SEMI-MONTHLY NUMBER of November 15.

Those of our subscribers who do not take our Semi-Monthly issue, will thus see the utility of taking or subscribing to the Semi-Monthly number at once, otherwise they will not get descriptions until the issue of our next Monthly number.

All subscribers to our Monthly have only to remit us 6 One Dollar more and we will send the **Semi Monthly** issue to them also, for one year, together with a copy of **Petersons' Complete Coin Book.**

NEW COUNTERFEITS.

Adams Bank, North Adams, Mass.
2s, altered—vig. two females with sheaf of grain between them; two males supporting female on left; female, farming implements, &c., on the right end.

Albany Exchange Bank, N. Y.
5s, imitation—vig. three females and large 5s; on right end, medallion head and Five below it; left end, State die, Five below it; house between signatures.

Anthracite Bank, Tamaqua, Pa.
5s, spurious—vig. two females and large 5s; wagon, hay, &c., on left end; child's head on right end; unlike genuine.

Bank of Ashland, Kentucky.
10s, imitation—head of female and 10 on right end; words TEN, shield, hunter, female and Indian on left end.

Bank of Brighton, Mass.
2s, altered—vig. locomotive and cars, female and head of Washington.

Bank of the Capitol, Albany, N. Y.
3s, altered—female in shield, and sojaw reclining on the right, and female seated on the left; unlike genuine.

(Continued on next pages.)

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AND
SAVING FUND,
Corner of Third and Chestnut Sts.

Large and small sums received and paid back on demand, without notice, with FIVE PER CENT. INTEREST from the day of deposit to the day of withdrawal.

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DIRECTIONS, EXPLANATIONS AND FULL STANDARD WEIGHTS OF THE GENUINE GOLD COINS

D

EXPLANATION.

FULL STANDARD & LEAST LEGALLY CURRENT WEIGHTS OF ALL GOLD COINS

H & G HOWARD
PHILA

5 DOL

2½ DOL

WARRANTED

DOL

5 Penny Weights not to be used counterweight in position

All brass

Amer Num Soc collection

H. G. HOWARD
PHILA

5 DOL

2½ DOL

WARRANTED

1 DOL

Amer Numis Soc collection
1986

All brass

5 pennyweight was used to hook counterweight in position.

Table on inside of [illegible] box [illegible]

A TABLE *shewing the Value of any Number of* DOLLARS *from* 1 *to* 1000 *in the Currencies of* New-Jersey, Pennsylvania, Delaware, *and* Maryland.

Dol.	*£.*	*s.*	*d.*	*Dol.*	*£.*	*s.*	*d.*	*Dol.*	*£.*	*s.*	*d.*
1 *is*	0	7	6	24 *is*	9	0	0	47 *is*	17	12	6
2	0	15	0	25	9	7	6	48	18	0	0
3	1	2	6	26	9	15	0	49	18	7	6
4	1	10	0	27	10	2	6	50	18	15	0
5	1	17	6	28	10	10	0	55	20	12	6
6	2	5	0	29	10	17	6	60	22	10	0
7	2	12	6	30	11	5	0	65	24	7	6
8	3	0	0	31	11	12	6	70	26	5	0
9	3	7	6	32	12	0	0	75	28	2	6
10	3	15	0	33	12	7	6	80	30	0	0
11	4	2	6	34	12	15	0	85	31	17	6
12	4	10	0	35	13	2	6	90	33	15	0
13	4	17	6	36	13	10	0	95	35	7	6
14	5	5	0	37	13	17	6	100	37	10	0
15	5	12	6	38	14	5	0	200	75	0	0
16	6	0	0	39	14	12	6	300	112	10	0
17	6	7	6	40	15	0	0	400	150	0	0
18	6	15	0	41	15	7	6	500	187	10	0
19	7	2	6	42	15	15	0	600	225	0	0
20	7	10	0	43	16	2	6	700	262	10	0
21	7	17	6	44	16	10	0	800	300	0	0
22	8	5	0	45	16	17	6	900	337	10	0
23	8	12	6	46	17	5	0	1000	375	0	0

Value of a Spanish milled Dollar, 8—In Pennsylvania, Jersey, Delaware, and Maryland, *7/6*; in N. York and N. Carolina, *8*; in Virginia, Connecticut, Rhode-Island, Massachusetts, and New-Hampshire, *6*; in S. Carolina and Georgia, *4/8*.

TABLE *of the Weight and Value of sundry* Coins.

	Standard weight.			Britain.			Pennsyl. Jer. Del. Maryland			N. York. and N. Carol.		
	dwt.	*gr.*		*£.*	*s.*	*d.*	*£.*	*s.*	*d.*	*£.*	*s.*	*d.*
English Guineas,	5	6		1	1	0	1	15	0	1	17	0
French do.	5	5		1	1	0	1	14	6	1	16	0
Moidores	6	18		1	7	0	2	5	0	2	8	0
Half Johannes	9	0		1	16	0	3	0	0	3	4	0
French milled Pistoles	4	4		0	16	0	1	7	0	1	8	0
Spanish ditto	4	6		0	16	0	1	8	0	1	9	0
Doubloons	17	0		3	6	0	5	12	0	5	16	0
Engl. & French Crowns	19	0		0	5	0	0	8	4	0	9	0
Spanish Dollar	17	6		0	4	6	0	7	6	0	8	0
English Shilling	0	0		0	1	0	0	1	0	0	1	9

JUN 2 3 1910

JOHN ALLENDER'S GOLD COIN SCALE

Patented November 27, 1855.

THIS SCALE IS ADJUSTED TO WEIGH AND GUAGE ALL THE AMERICAN GOLD COINS, AND IS A PERFECT PROTECTION AGAINST COUNTERFEITS.

To balance the Ten and Twenty Dollar Coins, place the weight in the dollar circle. The four smaller coins balance without the weight. Every genuine coin will both balance and pass through its appropriate guage. There being a trifling variation in the diameter of coins of the same denomination of different dates, be careful to place each in the centre of its circle. The difference in thickness is so small that the guage may be relied on as an infallible test.

J. ALLENDER'S GOLD COIN SCALE, MANUFACTURED BY I. WILSON, NEW LONDON, CONN.

This Scale is adjusted to weigh and guage all the American Gold Coins, and is a perfect protection against COUNTERFEITS. To balance the Ten and Twenty Dollar Coins, place the weight in the dollar circle. The three smaller coins balance without the weight. Every genuine coin will both balance and pass through its appropriate guage. There being a trifling variation in the diameter of coins of the same denomination, of different dates, be careful to place each in the centre of its circle. The difference in thickness is so small that the guage may be relied upon as an infallible test.

D. S. BUDDUCK, Cheap Book, Job, Card and Ornamental Printer, 'Star Office,' New London, Conn.

Rec'd 1920

JUN 2 3

JOHN ALLENDER'S GOLD COIN SCALE

Patented November 22 1853

THIS SCALE IS ADJUSTED TO WEIGH AND GUAGE ALL THE AMERICAN GOLD COINS, AND IS A PERFECT PROTECTION AGAINST COUNTERFEITS.

To balance the Ten and Twenty Dollar Coins, place the weight in the dollar circle. The four smaller coins balance without the weight. Every genuine coin will both balance and pass through its appropriate guage. There being a trifling variation in the diameter of coins of the same denomination, of different dates, be careful to place each in the centre of its circle. The difference in thickness is so small that the guage may be relied on as an infallible test.

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D. S. BUDDUCK, Cheap Book, Job, Card and Ornamental Printer, 'Star Office,' New London, Conn.

Rec'd 6/26/91.
from Isaac Reed

JUN 2 3 1870

JOHN ALLENDER'S GOLD COIN SCALE

Patented November 27, 1866.

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To balance the Ten and Twenty Dollar Coins, place the weight in the dollar circle. The four smaller coins balance without the weight. Every genuine coin will both balance and pass through its appropriate guage. There being a trifling variation in the diameter of coins of the same denomination of different dates, be careful to place each in the centre of its circle. The difference in thickness is so small that the guage may be relied on as an infallible test.

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D. S. RUDDUCK, Cheap Book, Job, Card and Ornamental Printer, 'Star Office,' New London, Conn.

Rec'd 6/26/71.
from Law Data

DIAL COIN TESTER

DIRECTIONS

Let us test or examine a 50 cent piece. Move the dial to the right with thumb and finger so that the mark 50 is at index. Place the coin on face at left so that the edge touches the lip. Lined up, and it will balance as genuine. Should it appear to be larger than usual you may test the size (diameter and thickness). On left end are two scales, one side for gold and the other for silver coin, which will be readily understood. The thickness will vary in coin, owing to milling at edge. It should be tried in about three places and it will average about the mark set for each coin. Coin worn by handling will measure a trifle less. The danger is in coin measuring larger than the scale indicates. The jingle should be tried in doubtful pieces which is always good in genuine coin. All other pieces gold and silver are tested in the same way.

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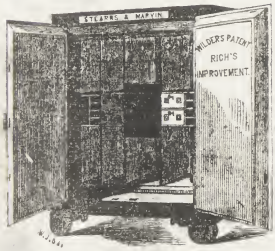

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Dec Nov 1877 Phila Daily Bulletin

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Dial Coin Tester.

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GOLD Coins, $20, 10, 5, 3, 2.50 and 1.
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Gives weight, diameter and thickness, three tests the Counterfeiter cannot overcome.

Reduced to 50 Cents.

One of the most perfect instruments for detecting Counterfeit Coin in the World. Full directions for use sent with each Tester. Mailed to any part of the country for **50 Cents.**

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Declaration of US Trust Co of Detroit
Oct 1899

UNITED STATES
Gold & Silver Counterfeit Detector.

UNITED STATES GOVERNMENT STANDARD.

INSTANTLY DETECTS COUNTERFEIT AND LIGHT WEIGHT COINS.

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SILVER " $1, 50 Cents and 25 Cents.

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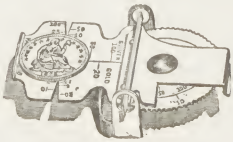
PRICE, $1.00.



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BI-MONTHLY

Contains alphabetical list of ALL BANKS in the U. S. whether National, State, Savings or Private, arranged in States, showing the names of Presidents, Vice-Presidents, Cashiers and Assistant Cashiers—the correspondents in New York, Philadelphia, Chicago, Boston and other large cities, together with the charter number of each National Bank, with Capital, Surplus and Profits.

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Alphabetical list of all bank officers.

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Infallible Gold and Silver Coin Scale

AND

COUNTERFEIT COIN DETECTOR.

INSTANTLY DETECTS COUNTERFEIT AND LIGHT WEIGHT COINS.

Gold Coins, $20, $10, $5, $3, $2.50, $1.
Silver Coins. $1.00, 50 Cents, 25 Cents.

Approved by the United States Government, and now in use in all the departments; also Bankers, Brokers, Insurance, Express, Railroad and Telegraph Companies, Municipal and State Authorities, and Business men generally throughout the United States and Canada.

Gold and Silver Coin being out of circulation for years, is now becoming the chief circulatory medium, and gives to Counterfeiters, and persons engaged in sweating, abraiding, filling, clipping the Gold and Silver Coins, a field of operation which they have energetically used by issuing Counterfeit Coins, and sweating, abraiding, and making light the genuine coin in immense quantities.

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Elegantly nickel-plated, mounted on metal stands, with box and directions complete, packed and delivered in good order, to any address, on receipt of price.

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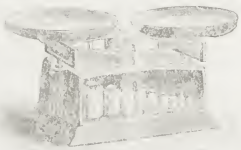

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Price by mail, 25 cents.
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Sizes of Coin Holders, $10 in Dollars, $5 in Quarters; $2.50 in Dimes.
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Makes die 2 1-4 by 1 3-8 inches.
A fine stamp for indorsement purposes.
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THE RUBBER STAMP WORKS.
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For Banks & Bankers.
THIRTEEN SIZES
CONSTANTLY IN STOCK.

Sent to any part of the United States Express or Post paid, at the following low prices, viz:

COIN BAGS A SPECIALTY.

	COPPER.	Per 100		SILVER.	Per 100
No. 1, to hold	$50,	$1 75	No. 8, to hold	$50,	$3 00
" 2, "	250,	1 85	" 9, "	100,	4 00
" 3, "	500,	2 50	" 10, "	200,	5 00
" 4, "	1,000,	3 00	" 11, "	300	6 00
" 5, "	2,000,	3 75	" 12, "	500,	7 50
" 6, "	5,000,	5 00	" 13, "	1,000,	10 75
" 7, "	10,000,	7 50			

These bags are made with tape attached for tying coin [illegible], and are marked on both sides with the [illegible] they are to hold, unless otherwise ordered. [illegible] of bank 50 cents per hundred additional.

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Samples sent to any address on application.

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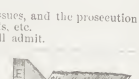

And in many Public and Private Offices throughout the Country,

are particularly useful to Railroad, Insurance, and other Companies; to Bankers, Lawyers, Agents, and Business Men for filing Letters, Deeds, Vouchers, Bills, Bonds and Mortgages, Wills, Briefs, Receipts, Pamphlets, etc., etc., for PRESERVATION and INSTANT REFERENCE.

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The file-holders invented and manufactured by Mr. E. W. Woodruff of this city are extensively used in this office, and have been found extremely convenient, useful, and satisfactory.
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THIS COIN TEST is very convenient. Being in solid form like a lead pencil, it may be carried in the vest pocket. The coin to be tested is first moistened, and then rubbed with the test. A genuine coin is not affected. A spurious one is discolored.

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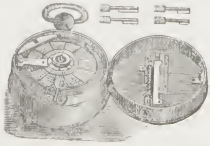
WITH SAFETY LOCK ATTACHMENT.

Time-Detectors ARE *INVALUABLE*



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Showing, by one motion, the three necessary tests, WEIGHT, DIAMETER, & THICKNESS, is in daily use by the United States Government, by leading Bankers, and others.

GOLD COINS, $20, $10, $5, $3, $2.50, $1.

Silver Legal Tender, $1, 50 cts., 25 cts.

TREASURY OF THE UNITED STATES, WASHINGTON, *November 28, 1879.*

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GENTLEMEN: I have examined and tested the "American Gold and Silver Coin-Detector" for sale by you, and find it correct.

If this office were not already supplied, I would recommend their purchase for counter use in the Cash-Room. This Coin-Detector, for accuracy and cheapness, is the best I have seen.

Respectfully, J. W. WHELPLEY, *Cash'r U. S. Treas.*

The above representing instrument is entirely reliable, and affords complete protection against Counterfeit Coin. Its convenience, accuracy, simplicity, and cheapness recommend it to popular use.

It is nickel-plated, mounted on walnut base, and will be sent to any address in the United States or Canada on receipt of $2 50, by

A. S. PRATT & SON,
National Bank Agents, and Publishers of Underwood's Counterfeit Dectector,
LOCK-BOX 52. WASHINGTON D. C.

NEW INVENTION.

United States Gold and Silver Counterfeit

COIN DETECTOR.

SHOWING AT ONCE THE THREE TESTS, BY WEIGHT, DIAMETER AND THICKNESS.

PRICE $2.50 EACH.

The resumption of Specie payment and the current use of gold and silver coin has given counterfeiters a new field of operation, which they have already energetically improved by the issue of spurious "Trade" and new "Legal Tender" United States Silver Dollars, with counterfeits of the small coins of that metal, in great quantities. Recently, a number of exceedingly dangerous counterfeits of United States Gold Coins, of various denominations, have been manufactured on a large scale, and, with any amount of old style bogus, are being rapidly shoved into circulation.

The attention of bankers and men of business is especially invited to the "Coin Detector" here advertised and illustrated; it is the best Coin Scale in existence adapted to common use, and by far the cheapest, considering the quality of the article and its general usefulness.

N. B.--Agents wanted in all parts of America; for sample outfit and terms, forward $3.00 to

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BANK SCALES AND Bullion Balances.

COIN SCALES,

IN USE AT ALL THE UNITED STATES MINTS AND IN EVERY DIVISION OF THE TREASURY DEPARTMENT.

CATALOGUE ON APPLICATION.

Dyer's Smart Coin Detector — 1879

Text from inside of top of paper box housing Fairbanks Coin Scale (McNally type)

Directions, Explanations and Full Standard Weights, of the Genuine Gold Coins

Directions-Place the coin you wish to test in the proper slot, the genuine coins will fit and balance. The trade dollar which being 7 ½ grains heavier than the standard dollar over balances the scale. The peg is only used in weighing the gold dollar-place it in the hole at the end of the beam. Counterfeits are either too light or too large to fit in the slots.

Explanation

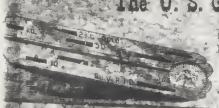
The slots for the different coins are perfectly accurate, you may find some genuine coins hard to fit which is the cause of Milling, the edge being spread too much, if you lose the peg for weighing the gold dollar, by placing a genuine 10 ¢ piece in the 2 ½ gold slot with the dollar in its slot will give the full weight.

Full Standard and Least Legally Current Weights of All Gold Coins

	weight		weight		weight
Double Eagle $ 20	516. grs	Half Eagle $ 5	129. grs	Quarter Eagle $2.50	64.50 g
Least Legally Current Weight	513.42 grs	Least Legally Current Weight	128.35 grs	Least Leg.Cur.Wt.	64.18 g
Eagle $ 10	258. grs	Three Dollar Piece $ 3	77.40 grs	One Dollar $ 1	25.80 g
Least Legally Current Weight	256.71 grs	Least Legally Current Weight	77.02 grs	Least Leg.Cur.Wt.	25.67 g

SAVE THE DETECTOR IN SIGHT. Shower of counterfeit coin will be attempted [illegible] man when they see the Detector on your counter, show case or shelf.

The U. S. Government Counterfeit Coin Detector.



Weights and measures every U. S. Coin, from a silver dime to a twenty dollar gold piece, and detects counterfeit instantly.

PRICE, $1.00

Sent prepaid to any address on receipt of price.

J. A. THOMPSON, Patentee and Manufacturer.

277 E. Madison Street,

Room 18, CHICAGO, ILL.

Positively prevents Coin impositions.

(Actual size of Coin)

DIRECTIONS.

Set the Detector on a level, smooth surface, place one finger at the center while placing the coin to be tested in its proper slot, lift up your finger; if good, the Detector will stop; if bad, it will not. It is so simple that a child can use it. The rule is simply this, all good coins must ring, have the proper weight and thickness, if this is wanting don't take it. Weight and thickness are detected instantly by the detector.

REFERENCES.

I beg to refer to the First, Fifth Union, Commercial and Home National Banks of this City, to A. W. Grant, Cashier U. S. Ex. Co.; Jas. Floyd, Cashier Am. Ex. Co.; P. Forrest, Cashier Chicago Post Office; A. M. Johnnie's, Cashier Money Order Dep't; Fred Groth, Cashier Stamp Dep't; Frank Battershall, Cashier Office Collector of Internal Revenue; T. M. Bradley, Cashier U. S. Sub-Treasury, or to any one of over two thousand Banks and business firms who have it in daily use.

I would also call your attention to the following

Chicago, March 29, 18[illegible]

It is the simplest and best thing of the kind I have ever seen, and I can most heartily recommend it to all who handle money.

Yours Truly

P. D. TYRRELL,

Chief Operative U. S. Secret Service.

OFFICE OF ASST. TREA. U. S.

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I have had one of "Thompson's Counterfeit Detectors" in constant use for over a year past, for testing the genuineness of gold and silver coin. I have never known it to fail in instantly detecting a counterfeit coin, either silver or gold. It is the best thing of the kind I have ever seen, and invaluable to all who handle coin.

H. E. C. DANIELS,

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J. A. THOMPSON'S

Instantaneous Counterfeit Detector

Patented April 21, 1877.

Improved January [illegible], 1878.

RELIABLE AGENTS WANTED.

Send $3 when you order goods.

Send $1 for sample Detector.

J. A. THOMPSON,

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277 EAST MADISON ST.

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COUNTERFEIT COIN DETECTOR,

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SIMPLEST, CHEAPEST AND BEST.

Impossible to Detect Counterfeit without the Aid of a Detector.

MADE ON SCIENTIFIC PRINCIPLES.

The large amount of counterfeit United States coin in circulation (some two millions of dollars), besides the great number of genuine gold pieces made fraudulent by boring or splitting on the edge, abstracting the gold, then replacing with baser metal and remilling to conceal evidence of such manipulation; and also by the process of sweating, which is accomplished by the aid of the electro-plating machine; by both of which means and various other methods, *two dollars* worth of gold can be extracted from a *Ten dollar* piece and filled with inferior metal without any diminution in size; but of course are deficient in weight, and can be detected ONLY by the use of scales having both WEIGHING and MEASURING SLOTS carefully adjusted to each other, thus showing the slightest deviation in both size and weight. The Berrian Patent Counterfeit Coin Detector possesses all the requirements referred to and no bank or merchant should be without one. They have earned for themselves many testimonials from banks and merchants all over the United States for the efficacy which is claimed for them.

An article universally needed by all Banks, Storekeepers and others handling gold or silver coins; it is made of brass, heavily nickel plated, elegantly finished and warranted accurate. It cannot get out of order, as there are no pivots or intricate mechanism. In detecting counterfeit Coins a child can use it as well as an expert with equal safety. Owing to the formation of the Detector they can be packed in boxes of one dozen each, measuring ten inches in length, three inches in width and one inch in depth, thus making the package convenient for agents to canvass with.

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[BERRIAN'S PATENT.]

U. S. STANDARD.

A Sure Protection against Fraud.

LENGTH, 9 INCHES.

POSITION OF SCALE WHEN COIN IS GENUINE.

POSITION OF SCALE WHEN COIN IS COUNTERFEIT.

The simplest, best and most reliable in the market. Being less complicated, and not liable to get out of order, it is far superior to all others.

It is a perfect scale, and weighs with the nicest accuracy, and gives the exact thickness and diameter of all the principal U. S Gold and Silver Coins, viz.: the silver dollar, quarter and half dollar; also the $20, $10, $5, $3, $2½ and $1 gold coins, thus detecting the counterfeit at once. No person can be defrauded who uses this detector. It is constructed on scientific principles, yet so simple that all can understand it at a glance, and no handling can affect its action. It is manufactured of brass, heavily nickle plated, highly finished, and is a perfect gem, worth four times its cost. It is indispensable to all handling gold and silver coins, an article of real merit and warranted accurate. No person in business can afford to be without it.

DIRECTIONS.—Place the scale on a level surface, and insert the coin in the slot in the beam corresponding with the denomination of the coin to be tested. If the beam falls it is good as to weight, then pass the coin to the corresponding cross slot, if the coin passes through it is good. If the coin does not stand the tests it is worthless.

☞—To test the weight of a Gold Dollar place a 25-cent coin in the $5.00 gold cross or measuring slot, and *lay* the gold dollar against it in front, if good the scale will fall.

N. B.—Old United States Gold and Silver coins are larger in diameter than those of more recent coinage, particularly silver half dollars from 1836 to 1850, therefore, though weighing correctly, will not pass through the measuring slots. Do not reject them on this account.

Will send sample in neat box, by mail, upon receipt of price, $1.00.

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COUNTERFEIT COIN DETECTOR,

(BERRIAN'S PATENT.)

SIMPLEST, CHEAPEST AND BEST.

Impossible to Detect Counterfeit without the Aid of a Detector.

MADE ON SCIENTIFIC PRINCIPLES.

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The simplest, best and most reliable in the market. Being less complicated, and not liable to get out of order, it is far superior to all others.

It is a perfect scale, and weighs with the nicest accuracy, and gives the exact thickness and diameter of all the principal U. S Gold and Silver Coins, viz.: the silver dollar, quarter and half dollar; also the $20, $10, $5, $3, $2½ and $1 gold coins, thus detecting the counterfeit at once. No person can be defrauded who uses this detector. It is constructed on scientific principles, yet so simple that all can understand it at a glance, and no handling can affect its action. It is manufactured of brass, heavily nickle plated, highly finished, and is a perfect gem, worth four times its cost. It is indispensable to all handling gold and silver coins, an article of real merit and warranted accurate. No person in business can afford to be without it.

DIRECTIONS.—Place the scale on a level surface, and insert the coin in the slot in the beam corresponding with the denomination of the coin to be tested. If the beam falls it is good as to weight, then pass the coin to the corresponding cross slot, if the coin passes through it is good. If the coin does not stand these tests it is worthless.

☞To test the weight of a Gold Dollar place a 25 cent coin in the $5.00 gold cross or measuring slot, and *lay* the gold dollar against it in front, if good the scale will fall.

N. B.—Old United States Gold and Silver coins are larger in diameter than those of more recent coinage, particularly silver half dollars from 1836 to 1850, therefore, though weighing correctly, will not pass through the measuring slots. Do not reject them on this account.

Will send sample in neat box, by mail, upon receipt of price, $1.00.

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SIMPLEST, CHEAPEST AND BEST.

Impossible to Detect Counterfeit without the Aid of a Detector.

MADE ON SCIENTIFIC PRINCIPLES.

The large amount of counterfeit United States coin in circulation (some two millions of dollars), besides the great number of genuine gold pieces made fraudulent by boring or splitting on the edge, abstracting the gold, then replacing with baser metal and remilling to conceal evidence of such manipulation; and also by the process of sweating, which is accomplished by the aid of the electro-plating machine; by both of which means and various other methods, *two dollars* worth of gold can be extracted from a *Ten dollar* piece and filled with inferior metal without any diminution in size; but of course are deficient in weight, and can be detected ONLY by the use of scales having both WEIGHING and MEASURING SLOTS carefully adjusted to each other, thus showing the slightest deviation in both size and weight. The Berrian Patent Counterfeit Coin Detector possesses all the requirements referred to and no bank or merchant should be without one. They have earned for themselves many testimonials from banks and merchants all over the United States for the efficacy which is claimed for them.

An article universally needed by all Banks, Storekeepers and others handling gold or silver coins; it is made of brass, heavily nickel plated, elegantly finished and warranted accurate. It cannot get out of order, as there are no pivots or intricate mechanism. In detecting counterfeit Coins a child can use it as well as an expert with equal safety. Owing to the formation of the Detector they can be packed in boxes of one dozen each, measuring ten inches in length, three inches in width and one inch in depth, thus making the package convenient for agents to canvass with.

Will be mailed to any address on receipt of price, $1.00.

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Premium Scale Bank
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Trucks of all sizes &c. Scales & Weights made more accurate than ever offered before.
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ESTERBROOK'S

STANDARD

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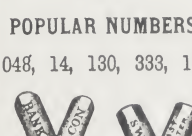
SUPERIOR

POPULAR NUMBERS:

048, 14, 130, 333, 161.



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Samples Free on Application.

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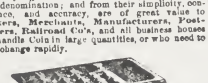
Price of Steel Pens, - - -	*$1.00*
" " *Nickel Plated Pens,*	*1.50*
" " *Gold Plated* "	*2.00*

Pens Mailed or Expressed free to any Bank, and can be remitted for when received.

THE ESTERBROOK STEEL PEN CO.,

COIN MACHINES.

These are machines for Receiving, Counting, and Paying out Silver and Copper Coin of every denomination; and from their simplicity, convenience, and accuracy, are of great value to Bankers, Merchants, Manufacturers, Postmasters, Railroad Co's, and all business houses that handle Coin in large quantities, or who need to make change rapidly.



No. 1. Bankers' Tray Machine.
Size 10x12½ inches; height 6 inches; Capacity, $176.25

Price, $12.00.

This is a machine which combines the "Cashier," or paying part for single coins, with a movable tray which is placed on the top. The latter is a convenient receptacle from which to pay out in parcels of ten coins to either denomination, or from which to fill the columns of the Cashier in front of it. IT HAS BEEN FOUND THAT ALL ATTEMPTS TO SEND COINS IN TWENTIES BY FIXED RECEPTACLES HAVE RESULTED IN MISCOUNTS, OWING TO THE VARYING THICKNESS OF COINS.

At night, all the Coins can be placed in the Tray, and thus rapidly cossled, when the whole may be lifted from the Tray and removed to the Vault or Safe.

The Cashier is made entirely of metal, is handsomely finished, has plated front and keys, and rests on a black walnut base. Every machine guaranteed.

SILVER TRAYS.

No. 5. Self-Counting and Storing Tray.
Size of each Tray, 6x10½ inches.
Capacity: Dollar Tray, $25; Half-Dollar Tray, $900; Quarter-Dollar Tray, $150.

Price, $1.50 each.

The Tray is especially designed to facilitate the handling of Coin in large quantities. It consists of a series of inclined semi-cylindrical recesses or pockets, each being the proper size to hold just ten pieces as on the movable top of our Bankers' Tray Machine.

The Coin is thus COUNTED more rapidly and accurately than can be done in any other way, and is held in parcels of ten ready for delivery.

The Trays are constructed to pile one upon another, thus ensuring, with their contents, BUT LITTLE MORE SPACE IN THE VAULT THAN THE SAME AMOUNT OF COIN IN BAGS.

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We have four different Trays for Gold. Our COUNTER TRAY for the use of Paying and Receiving Tellers is for assorted coin. Size, 7¼ by 10¼ inches. Its capacity is: Double Eagles, $1,200; Eagles, $1,600; Half-Eagles, $1,000; Quarter-Eagles, $500; Total, $4,300.

Made of cast-metal, polished and nickel-plated, $6.50 each.

Next Trays for Counter use and Storage

The Double-Eagle Tray, size 6½x10¼, holds $5,000. The Eagle Tray, size 4¾x10¼, holds $3,600. The Half-Eagle Tray, size 4¾x10¼, holds $2,800.

These Trays are the same size as the Silver Storage Trays.

They are made of cast-metal, polished and lacquered. Price, $1.50 each.

The advantages of these Trays for STORING GOLD RESERVES will be manifest to all Bankers.

The absence of one coin is detected by an expert at a glance.

We will make a discount of 10 per cent. to all Banks that order Storage Trays for $50,000 and upwards.

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OF ALL NATIONS,

TOGETHER WITH THEIR

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AND THOUSANDS OF OTHERS.

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comes out a

proper thickness, when they are passed through the draw-benches to equalize them; the strips are then cut at the presses; these presses cut out

mams in the building, worked by a lever and screw, requiring eight men to laboriously work at it; now the process requires scarcely any manual labor but handling the pieces of coin.

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very effective management of M
director. We have more than ordi
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ADJUSTING ROOM OF THE UNITED STATES MINT, PHILADELPHIA.

FIG. 2—WEIGHING THE SAMPLES OF COIN.

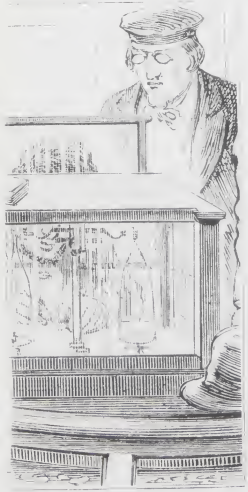
FIG. 1—COUNTING THE SAMPLES OF COIN.

FIG. 3—WEIGHING THE SINGLE PIECES.

FIG. 5—WEIGHING THE CL

. 1—COUNTING THE SAMPLES OF COIN.

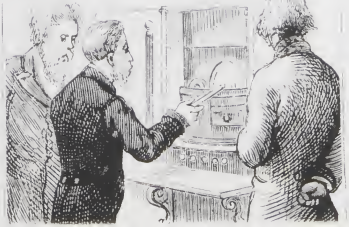
FIG. 2—WEIGHING



THE SINGLE PIECES.

FIG. 5—WEIGHING THE CLIPPINGS PREVIOUS TO CUPELLING.

FIG. 6—PRESS



Bell English from Seville

weights

1/3 1/2 1 ounce

1/2 1 ounce

Malio
1995

HENRY TROEMNER
PHILADELPHIA
5¢
10¢
20¢
1¢
50¢
25¢
10¢

Nov 1883
Underwoods Cl Reporter

THE

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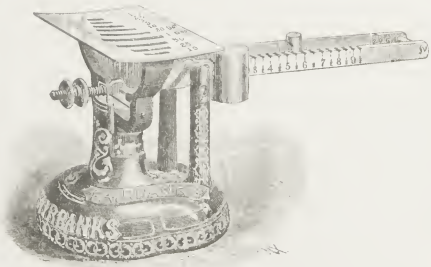
UNITED STATES GOVERNMENT STANDARD.



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emarkably clear look-

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148 grains.

Underwood's Counterfeit Reporter Sept 1890

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UNITED STATES
Gold & Silver Counterfeit Detector.

UNITED STATES GOVERNMENT STANDARD.

INSTANTLY DETECTS COUNTERFEIT AND LIGHT WEIGHT COINS.

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SILVER " $1, 50 Cents and 25 Cents.

Gives weight, diameter and thickness, three tests the counterfeiter cannot overcome.

Gold and Silver being so largely in circulation, gives to counterfeiters and those engaged in sweating, abraiding, filing, clipping or making light coin, a large field for operation, which they energetically use to an enormous extent. The **"United States"** will quickly detect counterfeit or light weight coin. **Elegantly nickle-plated and mounted on metal stands, and always ready for use; mailed to any part of the country for $2.50.**

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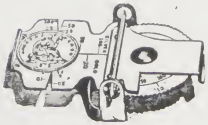

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Fairbanks Catalog

Patent date on p65 illustration
Trade mark on side of stand
Nickel plated
Extra hardened Steel Knife-Edge Bearings
Cabinets of Oak, Ash, Cherry + Walnut

COIN WEIGHTS p. 67

85,000 Fairbanks Infallible in use p. 72

Explanation of weakness of law p 73
Explanation of cutting off melting and remelting, taking 5%.

size and ring of the coin is preserved but the debasement is detected by weight.

These counterfeits and debasements extend from the $20 to the $2.50, and even $1 gold coins, and from the $1 legal tender silver to the 50c. and 25c. pieces, and are such a character that they cannot be detected except by experts.

CHAPTER XXXIV.

APPENDIX.

Forms of Counterfeiting and Corrupting Coin.

Statistics gathered in the great cities, show that the crime of counterfeiting is on the increase. (How can it be stopped.)

The Fairbanks Infallible Gold and Silver Coin Scale and Counterfeit Coin Detector is the remedy. It will absolutely detect all counterfeit or debased coins. It has the unqualified endorsement of thousands of acknowledged coin experts.

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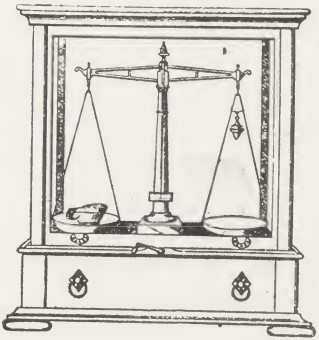
This is the only Scale that Weighs and Gauges the New Issue of 25 and 50 Cent Silver Coins.

BANKERS' SCALES.



SPECIE BALANCE. Fig. 1.

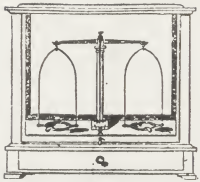
BALANCE FIG. 1. Very superior balance, in a fine polished mahogany case, with counterpoised door sliding upwards. Capacity of balance, 500 dollars silver, or 5,000 dollars gold. Can be used for weighing either. Has an extra scoop for loose coin. *A full set of Troy weights, which are fitted in the drawer of case, are included.*

Price.....$100 00

Same balance without a glass case, and mounted on a mahogany plalform,.....$75 00

BALANCE FIG. 87. Capacity 1,000 silver dollars; for weighing either silver or gold coin; has an extra scoop for loose coin; on a mahogany platform; with screw feet and level. Balance is of the finest finish.

Price (without weights).....$115 00



GOLD COIN SCALE. Fig. 2.

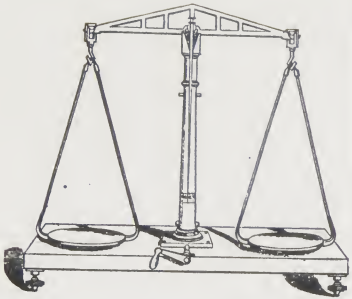
Scale is specially designed for weighing single *Coins*, to ascertain if *counterfeit* or if below the current standard. In a fine mahogany case, with door sliding upward. Price includes a full set of Coin Weights. Read instructions in drawer.

Price.....$28 00

COIN WEIGHTS. Fig. 3.

In mahogany, velvet lined box; twenty dollar piece and down, including grain weights, all United States Mint standard.

Price.....$5 00



BULLION BALANCE. Fig 4.

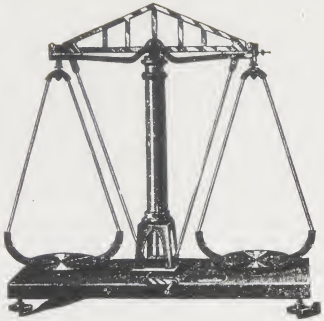
Balance has brass beam, pans and bows; improved raising apparatus, provided with glass level and leveling feet; adjusting screws on beam, etc. *A full set of weights* included; large weights are of iron, bronzed, those from 50 oz. and down are of brass, in a walnut block.

Capacity.	Weight.	Price.
500 ounces.	500 ounces.	$ 95 00
1,000 "	1,000 "	120 00
1,500 "	1,500 "	150 00

BULLION BALANCE. Fig. 172.

Balance has an iron beam; has eccentric lift; adjusting screws on beam; brass pans; price includes a full set of weights.

Capacity.	Weight.	Price.
1,500 ounces.	1,500 ounces.	$100 00



BULLION BALANCES. Fig. 5.

Highest Standard.

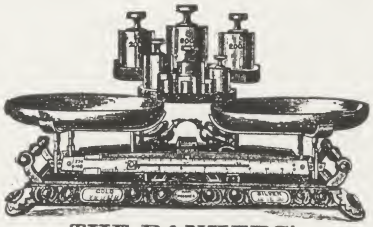
No. 175 BALANCE will carry 2,000 ounces in each pan; open brass beam, pans and arches also of brass; has the complex levers to arrest the beam and its hangings; platform is of iron, neatly japanned; has adjusting screws on beam; glass level and leveling feet; sensible to 1-200 of an ounce; price does not include weights.

Price.....$210 00

No. 176 BALANCE, same as the above in all respects; capacity is 500 ounces in each pan, and sensible to 1 grain; price is without weights.

Price.....$160 00

ALL BANKERS NEED THIS SCALE.



THE BANKERS'

NEW IMPROVED GOLD AND SILVER SPECIE SCALE

For Weighing Gold and Silver Coin in Quantity. Does away with Counting in Receiving or Paying out Gold or Silver Coin. Complete with Weights.

A new and improved specie scale, designed for banks and bankers. The scale takes up but little room, and weighs with the greatest accuracy a single gold dollar up to a thousand dollars of silver at a single draft. It will verify the count, and give the actual value of abraded or the least current coin. It is provided with a full set of brass weights conveniently arranged, and a tare beam by which the amount of shortage is instantly ascertained, be it one dollar or twenty. The side beam has four gradations—for Gold, Trade dollars, Standard dollars, and subsidiary coin. On the platform of the scale are affixed two tables, one giving the weight of gold coin in drafts from 5,000 dollars to 100 dollars, and the other gives the weight of silver in drafts of 1,000 to 50 dollars. To weigh a draft of coin we proceed as follows: Supposing we desire to weigh $5,000 in gold, we look at the table and find the weight required is 268.75; we place the 268 ounces in the right-hand pan and slide the ounce poise A to 75; then put the coin in the left-hand pan. Should the coin weigh light, we slide the poise B along the Beam until the scale balances. If this takes place with the poise at say 20, it signifies that the coin is that many dollars short.

PRICE $90.00 F. O. B. HERE.

THE FAIRBANKS' INFALLIBLE SCALE CO.,

Equitable Building, Baltimore, Md.

THE POUGHKEEPSIE NATIONAL BANK.

POUGHKEEPSIE, N. Y., April 10, 1896.

WALTER H. HARRISON, Manager,

Fairbanks' Infallible Scale Co.

Dear Sir:

We have in every way tested the worth of the Scales manufactured by your company and find the New Improved Bankers' Scales to be of the greatest service to us, and would recommend any one using scales to purchase those of your company. They will most surely be pleased with them. We could not do without it.

Very truly yours,

J. V. DEYO, Cashier.

THE NORTHERN TRUST COMPANY.

CHICAGO, ILLS., April 10, 1896.

MR. WALTER H. HARRISON, Manager,

651 Equitable Building,

Baltimore, Md.

Dear Sir:

We are in receipt of yours of the 30th ult., and beg to thank you for your table of weights. It will assist us very materially in using your valuable specie scale.

Very truly yours,

GEO. FORD, Asst. Cashier.

Approved and Adopted by the U. S. Government.

85,000 Now in Use. Absolute Security Against Counterfeit or Light Weight Gold or Silver Coins.

No Cashier, Teller or Business Man should be without this Wonderful Instrument.

Instantly Detects at One Motion by the Three Approved Tests: Weight, Diameter and Thickness.

$20, $10, $5, $3, $2.50 and $1 Gold Coin, $1, 50 cts., 25 cts. and 10 cts. Silver Coin. } Mounted on Metal Stand Complete

Cannot get out of Order. Will Last a Lifetime.

Sent to any Address on Receipt of Price, $5.35.

Make Checks. Drafts or P. O. Orders payable to W. H. Harrison, Manager, Fairbanks' Infallible Scale Co., Equitable Building, Baltimore, Md.

If you want a Banker's, Bullion, Drug, Diamond, Jeweler's, Assay, Letter, Platform, Counter, Railroad or any kind of a Scale, address us,

The Fairbanks' Infallible Scale Company,

Equitable Building, Baltimore, Md.

FOR SALE AT STATIONERY AND HARDWARE STORES.

85000 NOW IN USE.

ABSOLUTE SECURITY AGAINST FRAUD.

No Cashier, Teller or Business Man should be Without this Wonderful Instrument.

WE MAKE A SPECIALTY OF

BANKERS, BULLION, DRUG, DIAMOND, JEWELER'S AND ASSAY SCALES.

LETTER SCALES.

NEW WAY OF TAKING GOLD FROM COIN.

[Special Dispatch to the Baltimore Sun.]

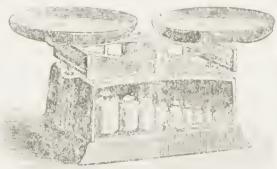
WASHINGTON, March 4, 1896.—Officials of the secret service of the treasury will make an effort to secure a change in the present statutes, so as to provide some punishment for persons who pass mutilated coin. There is now no law covering such cases and frequently persons have knowingly attempted to pass mutilated coin on unsuspecting people. Secret-service detectives report that crooks have introduced an ingenious method of realizing from gold currency. A short time ago the department was deeply concerned over the great number of light weight coins in circulation, and an investigation was instituted. It was discovered that the milled or corrugated rim of the coin had been removed, decreasing its value about five per cent. New milling was then put on and the coin apparently made perfect. The law at present provides a punishment for those who engage in the work of mutilation, but it is deemed necessary to prescribe as well a punishment for those who aid in the circulation of such coins. The law will be changed so as to make punishable, equally with mutilation, the knowing and fraudulent passing of impaired currency.

BECKER & SONS,

6 Murray St., New York City.

NEW AND IMPROVED BANK SCALE.

Also Manufacturers of Balances and Weights of Precision.



—PATENT—

COUNTER SCALES

—MADE OF—

BRONZED IRON

—WITH—

Nickel Plated Pans.

PRICES WITH WEIGHTS.

$700 to $10.

No. 1.— 6 Inch Pans, $21.00
No. 2.— 8 Inch Pans, 25.00
No. 3.—10 Inch Pans, 30.00

Address,

Underwood Reporter Co.,

18 Spruce St. P. O. Box 2621.

—OR—

Becker & Sons,

6 Murray St., NEW YORK.

COLUMBIA BICYCLES.

THE POPULAR **RAPID TRANSIT STEEDS** FOR BUSINESS OR PLEASURE.

Columbia Tricycles.

FOR GENERAL USE BY **LADIES AND GENTLEMEN.** SEND THREE-CENT STAMP FOR ILLUSTRATED (36-page) CATALOGUE, FULLY DESCRIBING THESE MACHINES.

THE POPE MANUFACTURING CO.,

570 Washington Street, BOSTON, MASS.

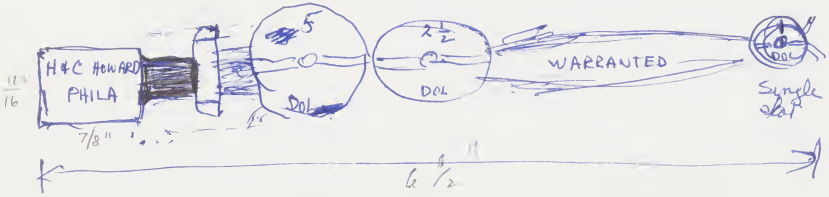
New York Agency and Riding School, 214 East Thirty-fourth Street.

EPW collection

1876 Still using balance scales.

STEREOSCOPIC VIEWS.

ANS 1992



Obviously ~~[illegible]~~

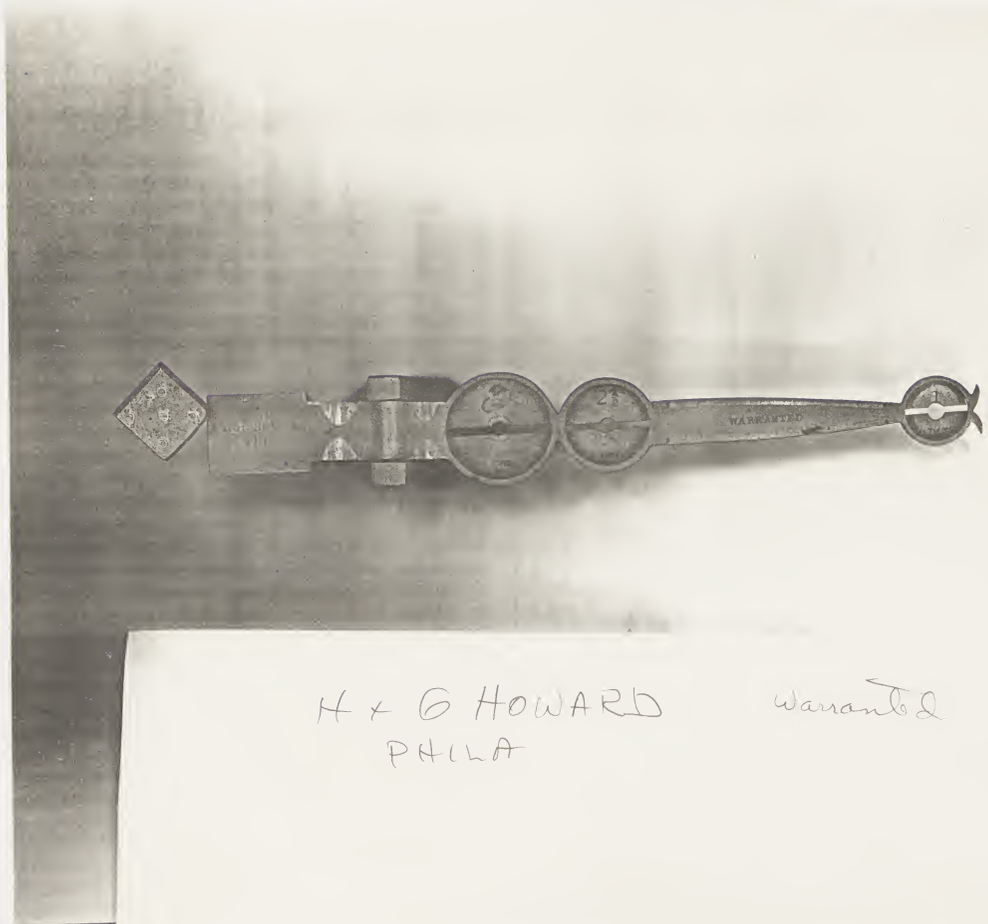
Fulcrum 1" high

Brass

Has to be prior to 1853 because of small size #1 slot + circle

Has to be after 1849 because of #1 coin holder

H+C HOWARD
PHILA
5
DOL
2 1/2
DOL
WARRANTED
1
DOL



H & G HOWARD warranted
PHILA

ANS

Allender Scale illustrated + offered for sale for $1.50
in 11/1/1859 Catalog of Fairbanks + Co
189 Broadway NY

illustrated + advertised in Lord's Detector (T.R. Lord + Co)
no date $2.00 price postpaid

J Thompson No 2 Wall St NY
American Gold Coin Test Scale

H. & C. Howard not in directories
Phila for 1849-55
to test $1 - $2.50 - $5

6/28/1834 Act set gold at 258 grains for eagle
$1 $20 gold unchanged 3/3/49
$3 unchanged. 2/21/53

(i.e., attracting customers)

trade name. Tenant shall acquire no right, title or interest in any symbol, logo, trade name or trademark used by Landlord.

E. MEDIA FUND. Notwithstanding anything to the contrary contained in Section C above, Landlord may at anytime upon 60 days advance written notice to Tenant convert the Lease Required Advertising to a Media Fund to be used exclusively for the purpose of purchasing a mix of appropriate media for the purpose of promoting the Shopping Center. Tenant agrees to pay to Landlord during each Fiscal Lease Year for the Media Fund the same amount as required under the Lease Required Advertising. Tenant's Media Fund payment shall be paid ~~either (1)~~ monthly with Merchant's Association dues, ~~or (2) quarterly with promotional service assessment~~.

~~Annual increase in Media Fund payments will be calculated based upon increases in pertinent local media rates.~~

~~F. INITIAL ASSESSMENT. Tenant shall pay to the Merchants Association~~ upon Tenant's execution of this Lease a one-time ~~initial assessment~~, in the amount of $1.00 per square foot ~~for the~~ purpose of defraying the promotional expenses ~~incurred and to be incurred by the Merchant's Association~~.

G. ADVERTISING AND PROMOTIONAL SERVICE. Notwithstanding the provisions in Section A of this Article, Landlord may at any time, in its sole discretion, decide that Landlord will on sixty (60) days advance notice to Tenant terminate the Merchant's Association and establish an Advertising and Promotional Service to furnish and maintain advertising and sales promotions which, in Landlord's judgment will benefit the Shopping Center.

If Landlord elects to terminate the Merchant's Association, Landlord shall thereafter appoint a committee, composed of a representative of Landlord, a representative of each department store, from time to time located in the Shopping Center, and a representative from each of four Mall tenants to review the advertising and other promotional activities provided by the advertising and promotional service. ~~Tenant agrees to join in all seasonal joint advertising and promotions approved by said Committee and shall pay its share of all costs thereof (in addition to, and not in lieu of, the advertising and promotional charge set forth in the following paragraph).~~

Tenant shall pay, as its share of the cost of the advertising and promotional service for the Lease Year in which the advertising and promotional service is established, the same amount as Tenant would have been obligated to pay that year to the Merchant's Association under Section B of this Article, thereafter, commencing with the second calendar year following the date Landlord terminates the Merchant's Association and every second year thereafter, said charge shall be adjusted by a percentage equal to the percentage increase or decrease in the electronic, print and outdoor advertising rates of the media used for such advertising and promotions since the year in which said charge was last adjusted, provided, however, that said charge shall not be ~~less~~ than the amount Tenant would otherwise have been obligated to pay to the Merchant's Association.

more

The advertising and promotional charge shall be paid in equal quarterly installments in advance of the first day of each quarter and shall be an additional charge under Article 6, and the failure to pay the same when due and payable shall constitute a default by Tenant hereunder.

Nothing contained in this Lease shall require Landlord to expend more in any Lease Year in performing the advertising and promotional service than Landlord collects from occupants of the Shopping Center in such year plus Landlord's contribution. Landlord may charge all costs and expenses of providing the advertising and promotional service in any Lease Year against the budget therefor. Said costs and expenses may include without limitation the following: (i) the services of a Marketing Director and all staff and outside consultants (including professional promotional service organizations) deemed necessary by Landlord to carry out effectively the promotional and public relations objectives of the advertising and promotional service, including without limitation all payroll, payroll taxes and employee benefits of any such director and staff; (ii) such a reasonable amount of space within the Shopping Center or at another location as may be necessary to carry out the advertising and promotional service in the rental therefore to be in line with the rentals for similarly sized space in the Shopping Center or if outside the Shopping Center at competitive rental rate; (iii) all actual

and located

Provided that at least ninety (90%) percent of the tenants from time to time occupying space in the Shopping Center are similarly obligated,

OLDEST AND MOST WIDELY CIRCULATED BANK PUBLICATIONS IN AMERICA.

ESTABLISHED FIFTY-FIVE YEARS.

The American Bank Reporter,
The American Banker,

The former a Bi-Monthly periodical and the latter a Weekly supplement to it, have been published without interruption for fifty-five years, and are now endorsed by nearly all the leading Banks and Bankers throughout the United States and Canada, and by the U. S. Treasury Department.

THE AMERICAN BANK REPORTER,
BI-MONTHLY

Contains alphabetical list of ALL BANKS in the U. S. whether National, State, Savings or Private, arranged in States, showing the names of Presidents, Vice-Presidents, Cashiers and Assistant Cashiers—the correspondents in New York, Philadelphia, Chicago, Boston and other large cities, together with the charter number of each National Bank, with Capital, Surplus and Profits.

List of towns without Banking facilities with nearest banking point.

Alphabetical list of all bank officers.

Directors of banks in the principal cities.

Reliable List of Attorneys.

Synopsis of Laws relating to Banks and Bankers.

Also, Banks and Bankers of Canada and of principal cities of Europe, Mexico, Central and South America, and other countries, together with the names of many reliable Loan and Collection Agents, Trust, Safe Deposit, and Investment Companies, and a vast amount of other appropriate information.

Subscription Price, . . $4 per year.

THE AMERICAN BANKER,
WEEKLY.

Contains latest Financial News from special correspondents in New York, Philadelphia, Boston, Chicago, and all the large cities.

Reports of the New York, Philadelphia and Boston Banks, Clearing Houses, and Stock Exchanges.

Official Treasury Reports.

New Counterfeits reported by Secret Service Bureau.

Latest quotations of Stocks, Bonds, Rail Road and other Securities.

Bank Stock quotations of the principal cities in the United States and Canada.

Changes in Banks, new, failed and closed banks corrected each week.

General and complete epitome of the week's bank and financial news.

Subscription Price, . . $4 per year.

SPECIAL INDUCEMENTS.

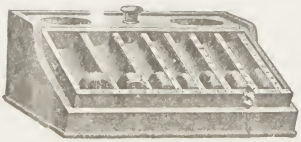
To parties sending in an order for subscription to either publications we will sell a "Howe Coin Box" at the reduced price of **$4.00.**

A NEW COIN CABINET.

CONVENIENT! CHEAP! SYSTEMATIC!

Combining a most convenient holder and assistant counter.

Saves time, is nice in appearance and is easily transferred.



Best possible position for making change rapidly.

Gives more assurance of correctness in making change.

Best method for rolling the coin.

THOUSANDS ARE IN USE AND THE DEMAND INCREASES DAILY.

Price - - - - $5.00.

ADDRESS: **AMERICAN BANK REPORTER,**

BOX 411, 27 PARK PLACE, NEW YORK.

Joseph B. Felt
An Historical Account of Massachusetts Currency
(Boston 1839)

fill their pockets at the public expense, but also at that of individuals. The subsequent fact was one of many, which showed that private deposits for money were not so safe as those of modern years, in banking institutions, though these have not always escaped the reach of the plunderer. The brick ware-house of Thomas Palmer on the Dock in Boston, was broken open, and a large iron chest with nine bolts was robbed of its contents, amounting to £4,000 or more, in pieces-of-eight and other Spanish and New England coins, and in bills of credit. Several persons were suspected. The Governor issued a proclamation, offering pardon to all confessors of the crime, except the principal and immediate actor, and a reward of ten per cent. for all of the property returned, which was to be paid by the owner. 1707. Aug. 11.

[1] As a specimen of pecuniary remittances, the ensuing is presented. "Any merchants or others that have any money at New York, and want to remit the same by bills of exchange to Boston, let them apply themselves to Mr. Benjamin Faneuil of New York, where they may be supplied." 1708. April 26.

At this period, before and afterwards, till the modern system of banking was adopted, almost every family who had money, would keep a pair of scales, to ascertain the value of their gold coin which they took and passed. Such advertisements as the subsequent one were common after newspapers began to be printed here. "All kinds of money scales made and sold by Caleb Ray, of Boston."

While thus energetic to protect the monied interests, our civil authorities, in common with the people, partook of the ruling passion of England, for the dislodgement of the French from North America, as the only permanent security for British empire in these Colonies. They were assured by her Majesty, that her Exchequer should meet the costs of any expedition against the Canadas. Thus encouraged, they soon yielded to her proposal. But such an attempt was not to be made without price. For its

[1] Boston News Letter, No. 211.

$3\frac{5}{16}$

$2\frac{1}{4}$ $5\frac{9}{16}$

$2\frac{11}{16}$ $2\frac{3}{4}$

$2\frac{21}{32}$ $3\frac{23}{32}$

2 $3\frac{25}{32}$

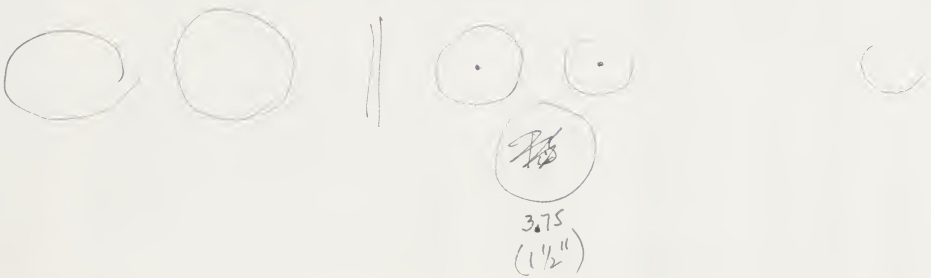
$1\frac{12}{32}$

Allender

$2\frac{3}{4}'' = 7.0$ cm $\quad 1\frac{3}{8} = 3.50$ cm

$4\frac{9}{16} = 4.56$ miles

7.1 | 3.6 | 2.375 | 4.65 | 11.625



WILLIS & CO'S

BANK NOTE LIST

— AND —

COUNTERFEIT DETECTER.

FOR JULY, 1851.

ISSUED MONTHLY,
BY
HOTCHKISS & CO.,
13 Court Street,
BOSTON.

T. GROOM & CO.
No. 82 State Street,
BOSTON.
DEXTER & BROTHER,
32 Ann Street, New York.

WHOLESALE AND RETAIL

PAPER, STATIONERY AND BLANK BOOK WAREHOUSE.

THOMAS GROOM & CO.

— IMPORTERS OF —

ENGLISH & FRENCH STATIONERY,

Are constantly receiving, direct from Paris and London, a large and varied Assortment of

STAPLE and FANCY STATIONERY,

Which they offer for Sale on the most reasonable terms.

T. GROOM & CO., manufacture and keep constantly for Sale, all the varieties of

BLANK ACCOUNT BOOKS

In common use, and manufacture to order those suitable for Banks, Insurance, Railroad and other Incorporated Companies, in the most substantial style, and at the shortest notice.

AGENTS FOR THE SALE OF

HAYDEN'S CELEBRATED DIAMOND-POINTED GOLD PENS,

— AND —

SILLIMAN & CO'S PATENT COUNTING HOUSE INKSTANDS.

BOSTON:
PRINTED BY DAMRELL & MOORE,

ALLENDER LABELS

The adv of Allender in the Equilibrium of 1885 p. 760 has the printer

D.S. RODDOCK, Fast Power ~~of the~~ Press
'Steam Office' over the Post-Office, New London, Conn.
Caption is all caps. Borders floriated.

The label on the oval lilac box in my collection has no printer under it, but identical text. The border decoration is ~~different~~ two designs + two stars alternately and the caption is set in ~~upper & lower~~ upper + lower case

The patent date label comes in blue paper and buff paper.

3/4 → 4 3/4 → 3

JUN 2 3 1870

JOHN ALLENDER'S GOLD COIN SCALE

Patented November 7th 1865

THIS SCALE IS ADJUSTED TO WEIGH AND GUAGE ALL THE AMERICAN GOLD COINS, AND IS A PERFECT PROTECTION AGAINST COUNTERFEITS.

To balance the Ten and Twenty Dollar Coins, place the weight in the dollar circle. The four smaller coins balance without the weight. Every genuine coin will both balance and pass through its appropriate guage. There being a trifling variation in the diameter of coins of the same denomination, of different dates, be careful to place each in the centre of its circle. The difference in thickness is so small that the guage may be relied on as an infallible test.

J. ALLENDER'S GOLD COIN SCALE, MANUFACTURED BY I. WILSON, NEW LONDON, CONN.

This Scale is adjusted to weigh and guage all the American Gold Coins, and is a perfect protection against COUNTERFEITS. To balance the Ten and Twenty Dollar Coins, place the weight in the dollar circle. The three smaller coins balance without the weight. Every genuine coin will both balance and pass through its appropriate guage. There being a trifling variation in the diameter of coins of the same denomination, of different dates, be careful to place each in the centre of its circle. The difference in thickness is so small that the guage may be relied upon as an infallible test.

H. S. BUDDUCK, Cheap Book, Job, Card and Ornamental Printer, 'Star Office,' New London, Conn.

Rec'd 4/26/81
from Lou Gale

Blue paper cover Two piece cardboard box
with blue paper cover and
gold imprint ~~[illegible]~~
DIRK COIN TESTER

3 3/4 x 2 5/8 x 1

R.W.S. Collection
Scale Box

the table is apparently cut out of an almanac & pasted on the top

A TABLE *showing the Value of any Number of* DOLLARS *from* 1 *to* 1000 *in the Currencies of* New-Jersey, Pennsylvania, Delaware, *and* Maryland.

Dol.	£.	s.	d.	Dol.	£.	s.	d.	Dol.	£.	s.	d.
1 is	0	7	6	24 is	9	0	0	47 is	17	12	6
2	0	15	0	25	9	7	6	48	18	0	0
3	1	2	6	26	9	15	0	49	18	7	6
4	1	10	0	27	10	2	6	50	18	15	0
5	1	17	6	28	10	10	0	55	22	12	6
6	2	5	0	29	10	17	6	60	22	10	0
7	2	12	6	30	11	5	0	65	24	7	6
8	3	0	0	31	11	12	6	70	26	5	0
9	3	7	6	32	12	0	0	75	28	2	6
10	3	15	0	33	12	7	6	80	30	0	0
11	4	2	6	34	12	15	0	85	31	17	6
12	4	10	0	35	13	2	6	90	33	15	0
13	4	17	6	36	13	10	0	95	35	7	6
14	5	5	0	37	13	17	6	100	37	10	0
15	5	12	6	38	14	5	0	200	75	0	0
16	6	0	0	39	14	12	6	300	112	10	0
17	6	7	6	40	15	0	0	400	150	0	0
18	6	15	0	41	15	7	6	500	187	10	0
19	7	2	6	42	15	15	0	600	225	0	0
20	7	10	0	43	16	2	6	700	262	10	0
21	7	17	6	44	16	10	0	800	300	0	0
22	8	5	0	45	16	17	6	900	337	10	0
23	8	12	6	46	17	5	0	1000	375	0	0

Value of a Spanish milled Dollar, is 7s. 6d. in New-Jersey, Pennsylvania, New-York and N. Carolina, 7s. 9d. in Maryland, 7s. 6d. in Delaware, and Maryland, 7s. 6d. in Rhode-Island, Massachusetts, 8s. 1 in Virginia, Connecticut, Rhode-Island and Georgia, 4s. 8d. in S. Carolina and Georgia, 6s. 1 in New-Hampshire.

TABLE *of the Weight and Value of sundry* Coins.

	Standard weight.		Britain.				Pennsyl. Jer. Del. Maryland				N. York. and N. Carol.			
	dwt.	gr.	£.	s.	d.		£.	s.	d.		£.	s.	d.	
English Guineas,	5	6	1	1	0	1	15	9	0	1	17	0		
French do.	5	5	1	1	0	1	14	6	0	1	16	0		
Moidores	6	18	1	7	0	2	5	0	2	8	0			
Half Johannes	9	0	1	16	0	3	0	0	3	4	0			
French milled Pistoles	4	4	0	16	0	1	7	0	1	8	0			
Spanish ditto	4	6	0	16	0	1	8	0	1	9	0			
Doubloons.	17	0	3	6	0	5	12	0	5	16	0			
Engl. & French Crowns	19	0	0	5	0	0	8	4	0	9	0			
Spanish Dollar	17	6	0	4	6	0	7	6	0	8	0			
English Shilling	0	6	0	1	0	0	1	0	0	1	9			

TWO MEDALS OF EXCELLENCE

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American Institute

CHATILLON'S

GOLD AND SILVER

Counterfeit Coin Detector,

(BERRIAN'S PATENT.)

U. S. STANDARD.

A Sure Protection against Fraud.

LENGTH, 9 INCHES.

9" long

POSITION OF SCALE WHEN COIN IS GENUINE.

POSITION OF SCALE WHEN COIN IS COUNTERFEIT.

The simplest, best and most reliable in the market. Being less complicated, and not liable to get out of order, it is far superior to all others.

It is a perfect scale, and weighs with the nicest accuracy, and gives the exact thickness and diameter of all the principal U. S. Gold and Silver Coins, viz.; the Silver dollar, quarter and half dollar; also the $10, $5, $2½ and $1 gold coins, thus detecting the counterfeit at once. No person can be defrauded who uses this detector. It is constructed on scientific principles, and so simple that all can understand it at a glance, and no handling can affect its accuracy. It is manufactured of brass, heavily nickle plated, highly finished, and is a perfect gem, worth four times its cost. It is indispensable to all handling gold and silver coin, an article of real merit and warranted accurate. No person in business can afford to be without it.

brass plated with nickel

DIRECTIONS.—Place the scale on a level surface, and insert the coin in the slot in the beam corresponding with the denomination of the coin to be tested. If the beam falls it is good as to weight, then pass the coin to the corresponding cross slot, if the coin passes through it is good. If the coin does not stand these tests it is worthless.

☞ To test the weight of a Gold Dollar place a 25 cent coin in the $5.00 gold cross or measuring slot, and lay the gold dollar against it in front, if good the scale will fall.

N. B.—Old United States Gold and Silver coins are larger in diameter than those of more recent coinage, particularly silver half dollars from 1836 to 1850, therefore, though weighing correctly, will not pass through the measuring slots. Do not reject them on this account.

1836–1850 gold & silver coins are larger

Will send sample in neat box, by mail, upon receipt of price, $1.00.

ADDRESS,

$1 Gold requires a 25¢ in the $5 cross slot and laying the $1 gold on front

See other side

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COUNTERFEIT COIN DETECTOR,

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SIMPLEST, CHEAPEST AND BEST.

Impossible to Detect Counterfeit without the Aid of a Detector.

MADE ON SCIENTIFIC PRINCIPLES.

The large amount of counterfeit United States coin in circulation (some two millions of dollars), besides the great number of genuine gold pieces made fraudulent by boring or splitting on the edge, abstracting the gold, then replacing with baser metal and remilling to conceal evidence of such manipulation; and also by the process of sweating, which is accomplished by the aid of the electro-plating machine; by both of which means and various other methods, *two dollars* worth of gold can be extracted from a *Ten dollar* piece and filled with inferior metal without any diminution in size; but of course are deficient in weight, and can be detected ONLY by the use of scales having both WEIGHING and MEASURING SLOTS carefully adjusted to each other, thus showing the slightest deviation in both size and weight. The Berrian Patent Counterfeit Coin Detector possesses all the requirements referred to and no bank or merchant should be without one. They have earned for themselves many testimonials from banks and merchants all over the United States for the efficacy which is claimed for them.

An article universally needed by all Banks, Storekeepers and others handling gold or silver coins; it is made of brass, heavily nickel plated, elegantly finished and warranted accurate. It cannot get out of order, as there are no pivots or intricate mechanism. In detecting counterfeit Coins a child can use it as well as an expert with equal safety. Owing to the formation of the Detector they can be packed in boxes of one dozen each, measuring ten inches in length, three inches in width and one inch in depth, thus making the package convenient for agents to canvass with.

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$2,000,000 in circulation

bring spelling style

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Thompson's Bank Note & Commercial Reporter, N.Y. March 1, 1856

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Making it equivalent to a local Bank Note List for each of the above cities.

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For the past fourteen years, under the name of THOMPSON'S REPORTER, this paper has enjoyed the reputation of being THE BEST Bank Note List in the United States. Latterly it has been enlarged, and now contains, in addition to a full list of all the solvent and broken Banks, the rates of Discount on Uncurrent Money in the cities of New York, Philadelphia, Baltimore and Boston, making it equivalent to a local Bank Note List for each of the above cities; the names of the Presidents and Cashiers of each Bank, descriptions of all the Counterfeits, altered and spurious Notes, a WEEKLY REVIEW of the Commercial Market, compiled with the greatest care by an experienced editor, who is constantly in the Market for that purpose, and a WHOLESALE PRICES CURRENT, carefully corrected each week:—a weekly FINANCIAL REVIEW, and a Table giving the prices of all the leading Stocks, corrected each week, with tables and remarks on Bank, Money and Commercial Matters useful and interesting to the man of business.

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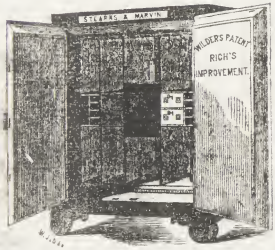

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Nov 1877

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Silver Coin
only

To shorten the length of the beam for the McNally scale and still permit its use for ~~weighing~~ testing ~~the~~ a gold dollar coin a peg had to be ~~added as a~~ used as an ~~The case with which the peg~~ additional weight. This peg was ~~[illegible]~~ to be ~~[illegible]~~ ~~placed in a hole in the [illegible]~~ placed loosely in a hole in the scale base, when the scale was not being used for ~~testing~~ a gold dollar. When a gold dollar was to be tested the peg was to be transferred to a hole near the ~~outside~~ end of the coin holder side of the beam. The pegs were of small size and easily ~~dropped~~ lost. ~~The [illegible]~~ Most of the remaining examples of this scale are without their peg. This problem ~~was anticipated by the makers~~ quickly came to the attention of the makers as the ~~instructions~~ explanation for use have the following substitution suggestion: "** if you lose the peg for weighing the gold dollar, by placing a genuine 10¢ piece in the #2 1/2 gold slot with the dollar in its slot will give the full weight." This is similar to the suggestion for weighing the gold dollar in the Berrian detector which had no slot for the gold dollar.

Dye Unit Cy Detector May 1879

NEW INVENTION.

United States Gold and Silver Counterfeit

COIN DETECTOR.

SHOWING AT ONCE THE THREE TESTS, BY WEIGHT, DIAMETER AND THICKNESS.

PRICE $2.50 EACH.

The resumption of Specie payment and the current use of gold and silver coin has given counterfeiters a new field of operation, which they have already energetically improved by the issue of spurious "Trade" and new "Legal Tender" United States Silver Dollars, with counterfeits of the small coins of that metal, in great quantities. Recently, a number of exceedingly dangerous counterfeits of United States Gold Coins, of various denominations, have been manufactured on a large scale, and, with any amount of old style bogus, are being rapidly shoved into circulation.

The attention of bankers and men of business is especially invited to the "Coin Detector" here advertised and illustrated; it is the best Coin Scale in existence adapted to common use, and by far the cheapest, considering the quality of the article and its general usefulness.

N. B.—Agents wanted in all parts of America; for sample outfit and terms, forward $3.00 to

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COIN SCALES,

IN USE AT ALL THE UNITED STATES MINTS AND IN EVERY DIVISION OF THE TREASURY DEPARTMENT.

CATALOGUE ON APPLICATION.

Resumption of specie in 1879 gives new reason for testing gold and silver

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GEORGETOWN, D. C.

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Capital, $252,000. Surplus, $53,000.

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S. FERGUSON BEACH, PRES. CHAS. R. HOOFF, Cash'r.

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☞ Especial attention given to COLLECTIONS, and remittance made on day of payment.

National Metropolitan Bank,

(Late Bank of Metropolis, *Organized Jan. 11, 1814.*)
WASHINGTON, D. C.

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Capital, $300,000. Surplus Fund, $150,000.

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Collections made on all points North, West, and South, and remitted therefor daily or weekly at lowest rates. Promptness and accuracy guaranteed.

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AMERICAN GOLD AND SILVER Counterfeit Coin-Detector,

Showing, by one motion, the three necessary tests, WEIGHT, DIAMETER, & THICKNESS, is in daily use by the United States Government, by leading Bankers, and others.

GOLD COINS, $20, $10, $5, $3, $2.50, $1.

Silver Legal Tender, $1, 50 cts., 25 cts.

TREASURY OF THE UNITED STATES, WASHINGTON, *November* 28, 1879.

A. S. PRATT & SON:

GENTLEMEN: I have examined and tested the "American Gold and Silver Coin-Detector" for sale by you, and find it correct.

If this office were not already supplied, I would recommend their purchase for counter use in the Cash-Room. This Coin-Detector, for accuracy and cheapness, is the best I have seen.

Respectfully, J. W. WHELPLEY, *Cash'r U. S. Treas*

The above represented instrument is entirely reliable, and affords complete protection against Counterfeit Coin. Its convenience, accuracy, simplicity, and cheapness recommend it to popular use.

It is nickel-plated, mounted on walnut base, and will be sent to any address in the United States or Canada on receipt of $4 50, by

A. S. PRATT & SON,
National Bank Agents, and Publishers of Underwood's Counterfeit Dectector,
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Oct 1881

UNITED STATES GOVERNMENT STANDARD.

Infallible Gold and Silver Coin Scale

AND

COUNTERFEIT COIN DETECTOR.

INSTANTLY DETECTS COUNTERFEIT AND LIGHT WEIGHT COINS.

Gold Coins, $20, $10, $5, $3, $2.50, $1.
Silver Coins. $1.00, 50 Cents, 25 Cents.

Approved by the United States Government, and now in use in all the departments; also Bankers, Brokers, Insurance, Express, Railroad and Telegraph Companies, Municipal and State Authorities, and Business men generally throughout the United States and Canada.

Gold and Silver Coin being out of circulation for years, is now becoming the chief circulatory medium, and gives to Counterfeiters, and persons engaged in sweating, abraiding, filling, clipping the Gold and Silver Coins, a field of operation which they have energetically used by issuing Counterfeit Coins, and sweating, abraiding, and making light the genuine coin in immense quantities.

With the INFALLIBLE COIN SCALE in your possession, it is impossible unknowingly to take a Counterfeit or light coin.

Elegantly nickel-plated, mounted on metal stands, with box and directions complete, packed and delivered in good order, to any address, on receipt of price.

With each Scale the proprietors give the Full Standard and least legal current Weight of all Gold Coins, the standard weight of all Silver Coins, and the amount for which each denomination is a legal tender.

SPECIAL OFFER.

To all new subscribers to Underwood's Bank and Counterfeit Reporter for 1883, we will send one of these scales by mail, postpaid for $1 additional.

☞ To all others, $2.

Underwood's Bank Reporter with Counterfeit Reporter and Infallible Coin Scale $6.00
Underwood's Counterfeit Reporter with Coin Scale..... $4.00
Make Drafts or Money Orders payable to and address

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P. O. Box 2624. 267 Broadway, New York.

BANK OF HAMILTON,

HAMILTON, CAN.

Capital Paid Up, - $1,500,000
Reserve Fund, - $1,000,000

J. TURNBULL, Cashier.

AGENCIES.

Berlin,
Blyth,
Brandon, Man.,
Carman, Man.,
Chesley,
Delhi,
Georgetown,
Grimsby,
Hamilton (Barton St.),
Hamilton (East End),
Hamiota, Man.,
Jarvis,
Listowel,
Lucknow,
Manitou, Man.,
Milton,
Morden, Man.,
Niagara Falls,
Orangeville,
Owen Sound,
Palmerston,
Plum Coulee, Man.,
Port Elgin,
Simcoe,
Southampton,
Toronto,
Vancouver, B. C.,
Wingham,
Winkler, Man.,
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BOSTON—International Trust Company.
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KANSAS CITY—National Bank of Commerce.
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LIONELLO PERERA & CO

(Successors to CANTONI & CO.),

Bankers,

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Dealers in Foreign Coins and Notes.

Issue Drafts on France and Italy.

Bonds and Stocks Bought and Sold, strictly on Commission, at the New York Stock Exchange.

AMERICAN GOLD AND SILVER

COUNTERFEIT COIN DETECTOR,

Showing, by one motion, the three necessary tests, WEIGHT, DIAMETER and THICKNESS.

IS IN DAILY USE BY LEADING BANKERS AND OTHERS.

SILVER COINS.
$1, $½, $¼.

GOLD COINS.
$2½, $5, $10, $20, $50.

It is nickel plated, mounted on metal base, and will be sent to any address in the United States, or Canada, on receipt of price, $5.

E. HOFFER, 31 & 33 Reed Street, New York.

THE

SEABOARD NATIONAL BANK OF THE CITY OF NEW YORK.

DEPOSITORY FOR THE UNITED STATES, STATE OF NEW YORK, AND CITY OF NEW YORK.

Capital,	$500,000
Surplus and Profits,	555,512
Deposits,	15,144,070

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S. G. NELSON, Vice-President.
J. F. THOMPSON, Cashier.
C. C. THOMPSON, Ass't Cashier.

Prompt and intelligent attention given to all the interests of our customers.

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Lucius A. Cole.
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FAIRBANKS INFALLIBLE SCALE CO.

Dickerman's U.S. Tree City Directory Oct 1899

May 20. 1882

PARLIAMENTARY.

AM—*actual name (describing meeting to follow member who was* sputified t'well they found we was crowdin' on 'em, an' ev' he hollers out, 'Move preveyus queshtun!' ontwell de Presi- as back, 'If de member don't stop his preveyus queshtun, I'll

THE INFALLIBLE COIN SCALE

Renders the Detection of Counterfeits Certain.

AGENTS WANTED EVERYWHERE.

EXCLUSIVE TERRITORY GIVEN.

Used by the United States Government in all the Departments as

THE STANDARD COIN SCALE.

With each Scale we give the full standard and least current weight of all gold coins.

TREASURY OF THE UNITED STATES.
WASHINGTON, D. C., December 21, 1881.
The Detector in question has been tested at this office, and found to be accurate in the detection of all counterfeit United States gold and silver coins.
JAS. GILPILLAN, Treasurer United States.

POST OFFICE DEPARTMENT,
WASHINGTON, D. C., December 21, 1881.
I have examined the Infallible American Gold and Silver Coin Scale and Counterfeit Coin Detector carefully, and consider it accurate, durable, and cheap. THOMAS L. JAMES, Postmaster-General.

☞ **Each Scale sent in a Handsome Box, Securely Packed.**

We send with each Scale a printed guarantee for FIVE YEARS, and will redeem, at nominal value, all counterfeit U. S. coin that it will not detect, thus affording

ABSOLUTE INSURANCE FROM COUNTERFEITS FOR $1 A YEAR.

☞ **Sent by Registered Mail, or by Express, C. O. D., for $5.**

Insist on having one of our guarantee certificates, which we furnish with each Scale. Send Postal for testimonials. Make Money Orders or Drafts payable to order of

INFALLIBLE COIN SCALE CO., 267 Broadway, New York City.

The Horsman Bicycle,

With Steel Spokes and Rubber Tire, 36, 42, 44, and 46 inch wheel. Prices, $30 to $50 each. Headquarters for Bicycle Sundries. New York Agency for **COLUMBIA BICYCLES.** Send stamp for illustrated price-list.

E. I. HORSMAN,
80 and 82 William Street, New York.

1200 FEET ABOVE THE SEA—MOUNTAIN COOLNESS!

MOUNT McGREGOR,

Ten Miles North of Saratoga,

Connected by the most elegantly equipped pleasure road in the U. S. Trains every hour. Fine camping grounds. Address, MOUNT McGREGOR IMPROVEMENT CO. (Limited), Saratoga Springs, N.Y. Season opens July 1.

R. LOW, SON, & HAYDON'S TOILET SOAPS

Leave no unpleasant odor on the hands. The popular kinds are

ELDER FLOWER, IN ½ LB. BARS,

OLD BROWN WINDSOR, IN PACKETS.
Triple Handkerchief Extracts,
Royal Windsor Toilet Water,
Eau de Cologne.
Violet Nursery Powder,
Rose Leaf Powder.

Acknowledged to be the *best and most satisfactory Toilet Articles in the world.*

FOR SALE EVERYWHERE.

PROTECTION CUSPADORES.

Secured to heavy 12 in. Mat, cannot tip over. Saves carpet and floor. Made of tin, brass and china. Useful, durable and ornamental. Expressed, prepaid, to any part of the United States, east of Denver, upon receipt of cash as follows:

No. 1, Tin, handsomely ornamented	$ 75	each.
" 2, do. with Umbrella Rests	1 00	"
" 3, Nickel-Plated on Tin	1 50	"
" 4, do. with Umbrella Rests	2 00	"
" 5, Terra Cotta, ornamented	1 75	"
" 7, China	2 25	"
" 8, Nickel on Brass, decorated mats	2 25	"
" 9, " " nickel-plated mats	2 50	"

For sale to the trade in quantities.

THE ADAMS & WESTLAKE MFG. CO.
Chicago. Boston. New York.

SYPHER & CO.

ARE CONSTANTLY RECEIVING FROM EUROPE

Antique Silver, Furniture, Clocks, Bronzes, and Articles of Vertu.

739 & 741 BROADWAY.

GORHAM PLATED WARE.

Parties desiring Plated Ware of a more elegant and substantial character than the commoner grades, will now find the GORHAM PLATE the most economical ware made. The quality is fully maintained, and the prices are much less than formerly, while the variety of design is larger.

GORHAM M'F'G CO.,
SILVERSMITHS,
37 UNION SQUARE.

For sale by the best class of Jewellers throughout the U. S.

COLUMBIA BICYCLE.

It is what every boy wants, and what every man ought to have. Send 3c. stamp for new, elegantly illustrated 36-page Catalogue and Price-List.

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623 Washington St., Boston, Mass.
New York Riding School, 54th St., near 3d Ave.

H.W.JOHNS' ASBESTOS

LIQUID PAINTS, ROOFING,
Steam Pipe & Boiler Coverings. Steam Packing, Mill Board, Sheathing, Fire Proof Coatings, &c.
SEND FOR DESCRIPTIVE PRICE LIST.
H. W. JOHNS M F G CO. 87 MAIDEN LANE, N. Y.

PISO'S CURE FOR CONSUMPTION. CURES WHERE ALL ELSE FAILS. Best Cough Syrup. Tastes good. Use in time. Sold by druggists. 25 cts. 100

EARL & WILSON'S PATENT "SHORT BAND" COLLARS AND "BEAD EDGE" CUFFS ALWAYS GIVE SATISFACTION

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One Minute.

SOAP.
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Skin Diseases
Complexion,
counterfeits!
Soap, and see
CRITTENTON is

Most Beautiful Advertising Cards ever seen, given

VALUABLE SLATE PROPERTY IN

Coin Weights for U.S. Silver & Gold 1837-1900

Silver:

Three cent silver

1851-1853	.80 gram
1854-1873	.75 gram

Half Dimes

Capped Bust	1829-1837	1.34 grams
Liberty Seated	1837-1853	1.34 grams
	1853-1873	1.24 grams

Dimes

Liberty Seated	1837-1853	2.67 grams
	1853-1873	2.49 grams
	1873-1946	2.50 grams

Twenty Cents

	1875-1878	5 grams

Quarter Dollars

Capped Bust	1831-1838	6.74 grams
Liberty seated	1838-1853	6.68 grams
	1853-1873	6.22 grams
	1873-1891	6.25 grams
Barber	1892-1916	6.25 grams

Half Dollars

Gobrecht	1837	13.36 grams
Seated Liberty	1839-1853	13.36 grams

Coin Weights for U.S. Silver & Gold 1837-1900 (continued)

Half dollars continued

Seated Liberty	1853-1873	12.44 grams	13.48 grams in 1794
	1873-1891	12.50 grams	13.36 grams in 1836
Barber	1892-1915	12.50 grams	

Dollar

Gobrecht	1830's	26.73 grams	26.96 grams in 1794
Liberty Seated	1840-1873	26.73 grams	
Trade Dollar	1873-1885	27.22 grams	
Morgan	1878-1921	26.73 grams	

Gold one dollar

Liberty Head	1849-1854	1.672 grams	
Indian Head	1854-1889	1.672 grams	

Gold quarter eagle

Classic head	1834-1839	4.18 grams	4.37 grams in 1796
Coronet	1840-1907	4.18 grams	

Gold three dollar

	1854-1889	5.015 grams

Gold four dollar

7 grams (108.03 grains) from Breen

Gold half Eagle

Classic Head	1834-1838	8.36 grams	8.75 grams in 1796
Coronet	1839-1908	8.359 grams	

Gold Eagle

Coronet	1838-1907	16.718 grams	17.50 grams in 1796

Gold double eagle

	1850-1933	33.436 grams

U S Gold

Weight & Diameter

	$2.50	$2.50	$5.00	$5.00	$10.00	$10.00
1795-6	12½ mm	4.375 grams	25 mm	8.75	33	17.5 gmm
1834	18.1 mm	4.18	22½	8.36	—	—
1838	"	"	"	"	27	16.718
1837	"	"	"	"	"	"
1839 1840	18.0 mm	"	21.6 mm	"	"	"

Moore 23/32" w 7/8" w

18.26 mm 22.2 mm.

(1834-1839 (1834-1839)

Because $10 not included in this before 1838.

$2 was cast after 1834, because gold varies in 1834 and pros was wider.

In Enebeldt + DuBois

~~There is a~~ Chapter IV pp 167 – 179 is

COUNTERFEITING. It ~~contains~~ divides tests into

Sensible tests including ~~Appearance, Impression, Ringing, smell~~ sight, smell hearing and feeling

Mechanical tests including cutting, filing, touchstone, ~~Balance~~ the

weight, ~~B~~ chisel, specific gravity.

(mountings beam + weights

lead weight equal to a specific coin.

Chemical Tests — wet analysis

Gorlich reports ~~that~~ a label on an original box says

Moore's Patent

"Moore's Patent Eagle Balance" to weigh and gauge Half and Quarter Eagles Warranted Correct. That no counterfeit or supplement weight to turn the balance can possibly go through the gauge, For Sale at the Office of Moore's Price Current 12 Merchants Exch

ANS 4/12/89

MINERS' IMPROVED GOLD SCALE

Manufactured expressly for California

Gold impressed on rectangular green painted box

Brass chain + pan & balance 2oz, 1oz, ½oz

brass circular disc 10 dwt, 5 dwt, 2 dwt, 1 dwt ½ dwt various grain wts of brass

Length

Width

Height

Wood rectangular box scale with label of OT [redacted] value of coins & lengths Sold by R. Billings in Corn Hill, Boston

Length

Width

Height

Misc dwt + grains

Oval Metal box with maroon chippy paint, Eagle in center with US Shield on breast.

Brass scale

Floreated design around eagle on top.

Tortoise shell circular pans in small tan plush lined rectangular leather box with eagle on top

Brass hinged container for grain wts of copper.

length

width

Height

Brass balance

Reddish strings

Wood Box with label of table connecting from $1 to $1000 dollars to N.J. Pa, Del + Md money and wt of certain coins and value in Britain, PA NJ NY Del Md NC

this is a foreign made box

Label is from Amer Almanac.

Mallis A George

Vol 85 May 1974 p835 Hanc it

Vol 95 July 1980 p1588 - 598 Set Photographs

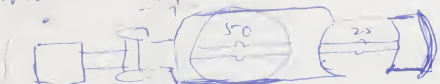
Vol 96 Apr 1983 nothing important on Amer Coin Sc

Coinage Sept 1978 p40 Recheck - St Louis

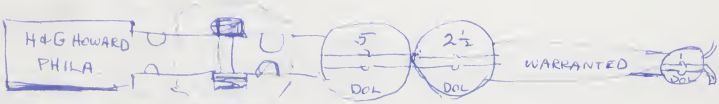
May 1976 p50

Nov 1978

ANS 12 Apr 1989 Inspection of holdings



Unmarked brass



Brass

3 Allenders { 2 patented (one in box)
1 pending

Berman Mfg (no postal)

Macamlle dial

McNally Inventor (McNally) wood base

Fairbanks & Co (McNally) iron base

$12.50

Tassay
U.S. Mint +
Coinage

1833, and was employed in Moore's office when the 1804 dies were engraved. Possibly he only wished to preserve a tradition, but the result was a second hoax, this time without official sanction, and swindling a citizen out of some valuable coins.

There was yet one more link to be forged in this chain of dishonor, and it was wrought with consummate skill by the chief coiner Franklin Peale. In one of the most absurd biographical sketches ever palmed off as history, Evans[2] says of Peale: "Mr. Peale's administration as Chief Coiner may be said to mark an era in the mechanics of minting. Being specially fitted, by natural genius as well as education, for the position which he adorned, his mildness, integrity, gentlemanly bearing and high moral and mental culture constituted him a model officer. His connection with the service lasted until 1854."

In order to more fully savour this encomium, it is necessary to examine each of the statements individually. That Peale's administration marked "an era" in the mechanization of the Mint is, of course, literally true. The portrait lathe, steam coining press, and humid assay were all improvements that he introduced after his trip to Europe—a trip financed by the Mint for this purpose, and one which might have been undertaken by several of its mechanics.

On April 15, 1852 Peale, with his characteristic humility, wrote to Mint Director Eckert: "I boldly claim to have done for the Mint and my country, much that will entitle me gratitude." The letter then describes how, during his special mission to Europe, Peale "saw the indispensable importance of securing balances for weighing," and how he "gave to this important subject his best powers of reflection and experiment." The resultant balances, he tells us, "were made from his own drawings, and under his personal inspection," and "after trial in daily use for many years, have been found entirely satisfactory to a degree hitherto unattained in any country."

For the record, Peale's famous assay scales were built by Burton Saxton[3] in London, excepting only three that were brought in an unfinished condition to the Mint. The melter and refiner, Richard McCulloh, later testified that Peale's only contribution to these was his insistence that "the knife edges should be fastened to the beam without any means of adjusting them which caused much difficulty and rendered it necessary to adjust them by fitting them to the ends of the beam and filing those ends, a troublesome and uncertain operation."

The balance in the melter and refiner's room was likewise built by Saxton as was, almost entirely, the gold balance in the Weigh Room. In fact, the only balance Peale actually constructed was the one for silver in the Weigh Room; and for this, a beam was shipped from Washington.

Peale also built an improved drawbench, which cost the Mint between $1,500 and $2,000. The machine dispensed with the horizontal pulley, drawing the ingot-strip through the plates by means of a piston rod. The only disadvantage was that as soon as the strip passed through the plates, the piston

[2] George G. Evans, *Illustrated History of the United States Mint and Coinage*, 1885. Peale was appointed assistant assayer in 1833, melter and refiner in 1836, and chief coiner in 1839, assuming this last office upon the retirement of Adam Eckfeldt.

[3] Saxton, an ingenious inventor and mechanic, was later engaged as an instrument maker for the U.S. Coast Survey. He also constructed the balances which Congress sent to foreign governments. Saxton improved upon the accuracy of the famous French assay scales by substituting palladium for steel, and allowing the beam to rest on agate and the scales and dishes to hang from rubies.

ERIC P. NEWMAN NUMISMATIC EDUCATION SOCIETY

6450 Cecil Avenue, St. Louis, Missouri 63105

July 6, 1992

George A. Mallis
788 Stony Hill Rd.
Wilbraham, MA 01095

Dear George:

I am sure you have a copy of Eckfeldt & Du Bois. Please examine his chapter on counterfeiting. He mentions nothing on mechanical coin scales. I concluded from this that there were none used in America prior to 1842, not even simple rockers which the English had long used. What do you think ? They just used regular scales I presume.

I enclose some 1851 etc. advertisements for a Thompson scale which is a gold only scale. What do you think this was ? It is before any patent. It must be a simple brass rocker for gold coin. I have to check more advertising to see what this was. Perhaps you know. It seems to span many years.

I want to be sure we know what we are talking about when this work gets finished. The facts are not easy to dig out on unpatented undated items. I wish I had talked to Troemner about 130-140 years ago. I have to check Hunt's Merchants Magazine and perhaps Bankers magazine for advertisements.

My best,

Eric

Eric P. Newman

enclosures

THE

BANK NOTE

AND

COMMERCIAL REPORTER,

EDITED BY

J. THOMPSON, BANKER & BROKER,

2 WALL-STREET, NEW-YORK.

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Stock & Exchange Broker, Dealer in Land Warrants, &c., No. 2 Wall-street, New-York

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J. THOMPSON, 2 Wall-street.

the Coin Chart Manual
J. Thompson
Sent NY 1857
NY 1852

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BANK NOTE AND COMMERCIAL REPORTER,

Adapted to New York, Philadelphia, Baltimore and Boston,

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AND

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COUNTERFEIT GOLD DETECTOR.

Or, American Gold Coin Test Scale.

We are now prepared to furnish the COUNTERFEIT and SWEATED AMERICAN GOLD COIN DETECTOR, an article of the first importance to Bankers and Brokers, and all others receiving gold coins. The great increase of late in the emission of spurious coins and "sweated" genuine pieces, has rendered our gold coins objectionable to many, and thrown a doubt even on the genuine issue. This "Test Scale" by its ready detection of the Spurious or Sweated gold, will be of incalculable value to all parties receiving gold coins, while it will go forward restoring confidence in our national issues. Price $1.50 each. Address

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The BANK NOTE AND COMMERCIAL REPORTER, having been enlarged, and its usefulness to the business community greatly enhanced, may safely challenge comparison with any work of the kind now in existence; and it is confidently believed that the same amount of useful matter cannot be procured in any other shape at double its rates of subscription. In the Reporter will at all times be found—

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AMERICAN GOLD COIN TEST SCALE.

I am now prepared to furnish the "COUNTERFEIT AND SWEATED GOLD COIN DETECTER," an article of the first importance to Bankers and Brokers, and all others receiving Gold Coins. The great increase of late in the emission of spurious Coins and "Sweated" genuine pieces, has rendered our Gold Coins objectionable to many, and thrown a doubt even on the genuine issue. This "Test Scale," by its ready detection of the Spurious or Sweated Coin, will be of incalculable value to all parties receiving Gold Coins, while it will go far towards restoring confidence in our national issue. PRICE $1.86, including postage. Address J. THOMPSON, No. 2 Wall-st. New York.

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The Coin Chart Manual
J. Thompson
NY 1857

Text from inside of top of paper box housing Fairbanks Coin Scale (McNally type)

Directions, Explanations and Full Standard Weights, of the Genuine Gold Coins

Directions-Place the coin you wish to test in the proper slot, the genuine coins will fit and balance. The trade dollar which being 7 ½ grains heavier than the standard dollar over balances the scale. The peg is only used in weighing the gold dollar-place it in the hole at the end of the beam. Counterfeits are either too light or too large to fit in the slots.

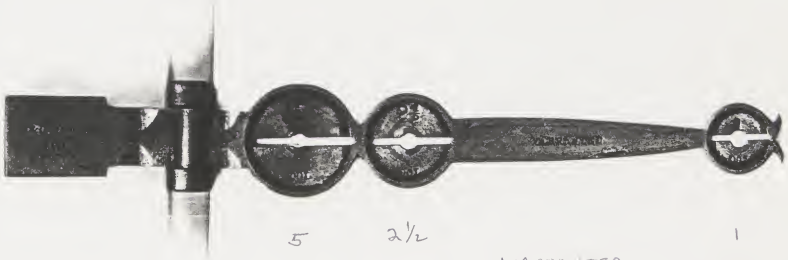
Explanation

Wow!

The slots for the different coins are perfectly accurate, you may find some genuine coins hard to fit which is the cause of Milling, the edge being spread too much, if you lose the peg for weighing the gold dollar, by placing a genuine 10 ¢ piece in the 2 ½ gold slot with the dollar in its slot will give the full weight.

Full Standard and Least Legally Current Weights of All Gold Coins

	weight		weight		weight
Double Eagle $ 20	516. grs	Half Eagle $ 5	129. grs	Quarter Eagle $2.50	64.50
Least Legally Current Weight	513.42 grs	Least Legally Current Weight	128.35 grs	Least Leg.Cur.Wt.	64.18
Eagle $ 10	258. grs	Three Dollar Piece $ 3	77.40 grs	One Dollar $ 1	25.80
Least Legally Current Weight	256.71 grs	Least Legally Current Weight	77.02 grs	Least Leg.Cur.Wt.	25.67

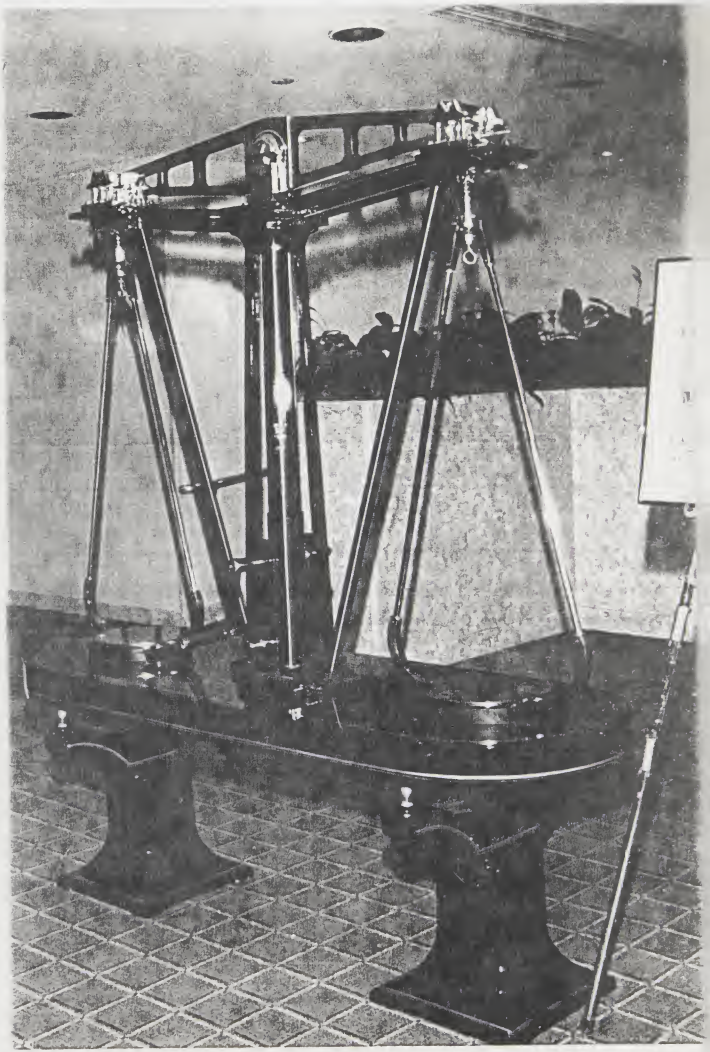


5 DOL

2½ DOL

WARRANTED

1 DOL



Sept 1895

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Instantly Detects

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GOLD Coins, $20, 10, 5, 3, 2.50 and 1.
SILVER " $1, 50, 25 and 10 Cents.

Gives weight, diameter and thickness, three tests the Counterfeiter cannot overcome.

Reduced to 50 Cents

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Interest on Daily Balances, etc.

On $1,000 to $100,000,000, on 365 days basis At 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3½, 4 and 5 %.

Examples: Int. on $993,000 $54.41; on $9,935,000 = $544.11 on $9,930,000 = .27 on $5,000. (This is at 2%)

ONE RATE, on cardboard, **$1.50**; others at same time). **50 cents** each. In Book form, 7 [illegible] containing all, **$3.00.**

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BY THE FAIRBANKS' INFALLIBLE SCALE CO.

1896

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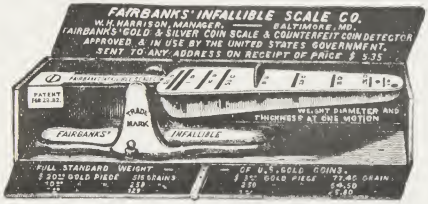
1896.

Approved and Adopted by the U. S. Government.

85,000 Now in Use. Absolute Security Against Counterfeit or Light Weight Gold or Silver Coins.



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$20, $10, $5, $3, $2.50 and $1 Gold Coin, $1, 50 cts., 25 cts. and 10 cts. Silver Coin, } Mounted on Metal Stand Complete

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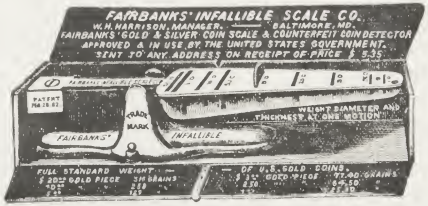

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LETTER SCALES.

NEW WAY OF TAKING GOLD FROM COIN.

[Special Dispatch to the Baltimore Sun.]

WASHINGTON, March 4, 1896. Officials of the secret service of the treasury will make an effort to secure a change in the present statutes, so as to provide some punishment for persons who pass mutilated coin. There is now no law covering such cases and frequently persons have knowingly attempted to pass mutilated coin on unsuspecting people. Secret-service detectives report that crooks have introduced an ingenious method of realizing from gold currency. A short time ago the department was deeply concerned over the great number of light weight coins in circulation and an investigation was instituted. It was discovered that the milled or corrugated rim of the coin had been removed, decreasing its value about five per cent. New milling was then put on and the coin apparently made perfect. The law at present provides a punishment for those who engage in the work of mutilation, but it is deemed necessary to prescribe as well a punishment for those who aid in the circulation of such coins. The law will be changed so as to make punishable equally with mutilation, the knowing and fraudulent passing of impaired currency.

SPECIAL NOTICE!

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WE MAKE THIS OFFER

TO ANY ONE.

On receipt of $3.00 and Old Scale, we will Ship you

THE LATEST!

Freight Prepaid

P. S.—We will REDEEM ANY COUNTERFEIT COIN THIS SCALE FAILS TO DETECT.

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Before leaving our factory, the capacity, sensibility and general mechanism of every Scale of our make is rigidly inspected by two special experts, one being a check on the other.

In ordering direct from us, or from any Wholesale Dealer, always copy full description from price list, and refer to the Catalogue number of the Scale wanted, which insures against any mistakes being made.

Never put OIL on any of the working parts of a Scale.

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OCEAN NAT'L BANK, Kennebunk, Me. Find it a hearty endorsement.
FIRST NAT'L BANK, Auburn, Me. Fills the long felt want.
NAT'L TRADERS' BANK, Portland, Me. Very accurate.
FREEMAN'S NAT'L BANK, Augusta, Me. Best and cheapest machine ever used.
THE CONWAY NAT'L BANK, Conway, Mass. It does the business.
NEW HAMPSHIRE SAV. BANK, Concord, N. H. Very convenient.
ASHUELOT NAT'L BANK, Keene, N. H. No office is complete without it.
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PRODUCERS' NAT'L BANK, Woonsocket, R. I. Recommend it to popular use.
BAXTER NAT'L BANK, Rutland, Vt. Accurate, useful and never out of order.
WINOOSKI SAV. BANK, Winooski, Vt. Valuable.
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BANK OF LANCASTER, Lancaster, S. C. Would not be without it.
PEOPLE'S BANK, Darlington, S. C. Very useful.
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AND THOUSANDS OF OTHERS.

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The Three Tests at One Motion—Weight, Diameter and Thickness.

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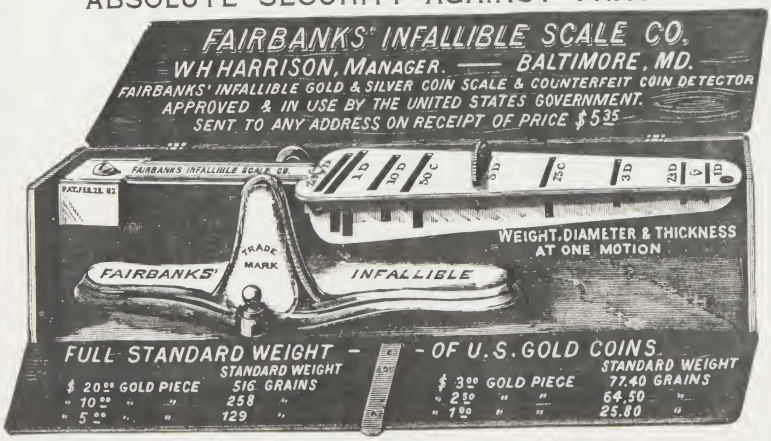

SIMPLICITY! RELIABILITY! DURABILITY!

NO CASHIER, TELLER OR BUSINESS MAN SHOULD BE WITHOUT ONE.

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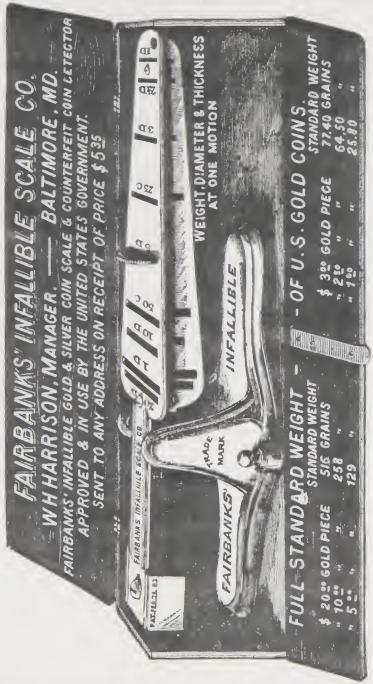

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The Fairbanks Infallible Gold and Silver Coin Scale and Counterfeit Coin Detector will absolutely detect all counterfeit or debased coins.

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Catalogue No. 372 Oct. 1, 1903

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OF

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MANUFACTURED BY

E AND T FAIRBANKS AND COMPANY

ST. JOHNSBURY, VERMONT

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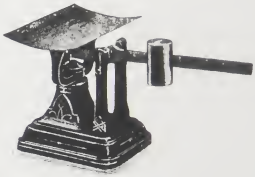


Postal.

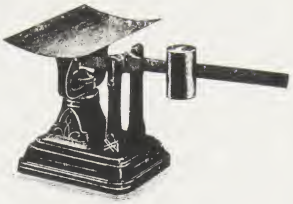
Postal and Coin.

For description of ordinary Postal Scales, see following page.

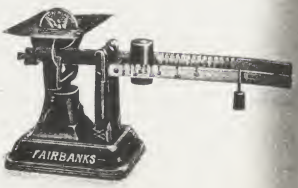
The Postal and Coin Scales above illustrated are for United States Coin only. The slots in the pan determine the diameter and thickness of genuine coins, and by use of the "Coin" beam the weight of the coin is given. Thus the three necessary requirements—weight, diameter and thickness—are shown. The main beam may be used for weighing ordinary postal matter. Scales are furnished with Coin Beam only when so ordered.

No.		Capacity, Ounces.	Price, Brass.	Price, Nickel Plated.
861.	Postal	9 x $\frac{1}{2}$	$3.00	$5.50
862.	"	10 x $\frac{1}{2}$	4.00	6.00
864.	"	24 x $\frac{1}{2}$	6.00	8.50
617.	Coin only	9 x $\frac{1}{2}$	4.00	6.00
618.	Postal and Coin	9 x $\frac{1}{2}$	5.00	7.00

Postal Scales.



Postal.



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No		Capacity, Ounces	Price, Brass.	Price, Nickel Plated.
601.	Postal	9 x $\frac{1}{2}$	$3.00	$5.50
613.	"	16 x $\frac{1}{2}$	4.00	6.00
604.	"	34 x $\frac{1}{2}$	6.00	8.50
617.	Coin only	9 x $\frac{1}{8}$	4.00	6.00
618.	Postal and Coin	9 x $\frac{1}{8}$	5.00	7.00

PARLIAMENTARY.

HAM—*actual name describing meeting to follow member who was* nd spunified t'well they found we was crowdin' on 'em, an' ev' iah he hollers out, 'Move preveyus queshtun!' ontwell de Presi- pons back, 'If de member don't stop his preveyus queshtun, I'll ...

THE INFALLIBLE COIN SCALE

Renders the Detection of Counterfeits Certain.

AGENTS WANTED EVERYWHERE.

EXCLUSIVE TERRITORY GIVEN.

Used by the United States Government in all the Departments as

THE STANDARD COIN SCALE.

With each Scale we give the full standard and least current weight of all gold coins.

TREASURY OF THE UNITED STATES.
WASHINGTON, D. C., December 21, 1881.

The Detector in question has been tested at this office, and found to be accurate in the detection of all counterfeit United States gold and silver coins.
JAS. GILFILLAN, Treasurer United States.

POST OFFICE DEPARTMENT,
WASHINGTON, D. C., December 21, 1881.

I have examined the Infallible American Gold and Silver Coin Scale and Counterfeit Coin Detector carefully, and consider it accurate, durable, and cheap. THOMAS L. JAMES, Postmaster-General.

☞ **Each Scale sent in a Handsome Box, Securely Packed.**

We send with each Scale a printed guarantee for FIVE YEARS, and will redeem, at nominal value, all counterfeit U. S. coin that it will not detect, thus affording

ABSOLUTE INSURANCE FROM COUNTERFEITS FOR $1 A YEAR.

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No. 1, Tin, handsomely ornamented	$ 75	each.
" 2, do. with Umbrella Rests	1 00	"
" 3, Nickel-Plated on Tin	1 50	"
" 4, do. with Umbrella Rests	2 00	"
" 5, Terra Cotta, ornamented	1 75	"
" 7, China	2 25	"
" 8, Nickel on Brass, decorated mat	2 25	"
" 9, " nickel-plated mats	2 50	"

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Leave no unpleasant odor on the hands. The popular kinds are

ELDER FLOWER, IN ½ LB. BARS,

OLD BROWN WINDSOR, IN PACKETS.
Triple Handkerchief Extracts,
Royal Windsor Toilet Water,
Eau de Cologne.
Violet Nursery Powder,
Rose Leaf Powder.

Acknowledged to be the *best and most satisfactory Toilet Articles in the world.*

FOR SALE EVERYWHERE.

GORHAM PLATED WARE.

Parties desiring Plated Ware of a more elegant and substantial character than the commoner grades, will now find the GORHAM PLATE the most economical ware made. The quality is fully maintained, and the prices are much less than formerly, while the variety of design is larger.

GORHAM M'F'G CO.,
SILVERSMITHS,
37 UNION SQUARE.

For sale by the best class of Jewellers throughout the U. S.

SYPHER & CO.

ARE CONSTANTLY RECEIVING FROM EUROPE

Antique Silver, Furniture, Clocks, Bronzes, and Articles of Vertu.

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COLUMBIA BICYCLE.

It is what every boy wants, and what every man ought to have. Send 3c. stamp for new, elegantly illustrated 36-page Catalogue and Price-List.

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LIQUID PAINTS, ROOFING,
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SEND FOR DESCRIPTIVE PRICE LIST.
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EY

D TAR,

Children.
all COUGHS,
T BREATH-
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BRONCHIAL
S, LEADING
S.

Soothing prop-
hooping Cough.

D., Feb 26, 1880.
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My affection
'S HONEY OF
TAR." She
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ARKER,
Avenue M.E.

April 5, 1879.
Johnson Rooms at
om ten to fifteen
ve nearly all use
the best cough
D. ADAMS."

nce in behalf of
patation,
lots everywhere.
n One Minute.

R SOAP.

external Remedy
of Skin Diseases
he Complexion,
one counterfeit
ur Soap, and see
N. CRITTENTON 18

PISO'S CURE FOR CONSUMPTION. CURES WHERE ALL ELSE FAILS. Best Cough Syrup. Tastes good. Use in time. Sold by druggists. 25 CTS.

EARL & WILSON'S PATENT "SHORT BAND" COLLARS AND "BEAD EDGE" CUFFS ALWAYS GIVE SATISFACTION

O Most Beautiful Advertising Cards ever seen, given

VALUABLE SLATE PROPERTY IN

TWO MEDALS OF EXCELLENCE

AWARDED BY

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CHATILLON'S

GOLD AND SILVER

Counterfeit Coin Detector,

[BERRIAN'S PATENT.]

U. S. STANDARD.

A Sure Protection against Fraud.

LENGTH, 9 INCHES.

POSITION OF SCALE WHEN COIN IS GENUINE.

POSITION OF SCALE WHEN COIN IS COUNTERFEIT.

The simplest, best and most reliable in the market. Being less complicated, and not liable to get out of order, it is far superior to all others.

It is a perfect scale, and weighs with the nicest accuracy, and gives the exact thickness and diameter of all the principal U. S Gold and Silver Coins, viz.: the Silver dollar, quarter and half dollar; also the $20, $10, $5, $3, $2½ and $1 gold coins, thus detecting the counterfeit at once. No person can be defrauded who uses this detector. It is constructed on scientific principles, yet so simple that all can understand it at a glance, and no handling can affect its action. It is manufactured of brass, heavily nickle plated, highly finished, and is a perfect gem, worth four times its cost. It is indispensable to all handling gold and silver coins, an article of real merit and warranted accurate. No person in business can afford to be without it.

DIRECTIONS.—Place the scale on a level surface, and insert the coin in the slot in the beam corresponding with the denomination of the coin to be tested. If the beam falls it is good as to weight, then pass the coin to the corresponding cross slot, if the coin passes through it is good. If the coin does not stand these tests it is worthless.

☞To test the weight of a Gold Dollar place a 25-cent coin in the $5.00 gold cross or measuring slot, and lay the gold dollar against it in front, if good the scale will fall.

N. B.—Old United States Gold and Silver coins are larger in diameter than those of more recent coinage, particularly silver half dollars from 1836 to 1850, therefore, though weighing correctly, will not pass through the measuring slots. Do not reject them on this account.

Will send sample in neat box, by mail, upon receipt of price, $1.00.

ADDRESS,

CHATILLON'S

GOLD AND SILVER

COUNTERFEIT COIN DETECTOR,

(BERRIAN'S PATENT.)

SIMPLEST, CHEAPEST AND BEST.

Impossible to Detect Counterfeit without the Aid of a Detector.

MADE ON SCIENTIFIC PRINCIPLES.

The large amount of counterfeit United States coin in circulation (some two millions of dollars), besides the great number of genuine gold pieces made fraudulent by boring or splitting on the edge, abstracting the gold, then replacing with baser metal and remilling to conceal evidence of such manipulation; and also by the process of sweating, which is accomplished by the aid of the electro-plating machine; by both of which means and various other methods, *two dollars* worth of gold can be extracted from a *Ten dollar* piece and filled with inferior metal without any diminution in size; but of course are deficient in weight, and can be detected ONLY by the use of scales having both WEIGHING and MEASURING SLOTS carefully adjusted to each other, thus showing the slightest deviation in both size and weight. The Berrian Patent Counterfeit Coin Detector possesses all the requirements referred to and no bank or merchant should be without one. They have earned for themselves many testimonials from banks and merchants all over the United States for the efficacy which is claimed for them.

An article universally needed by all Banks, Storekeepers and others handling gold or silver coins; it is made of brass, heavily nickel plated, elegantly finished and warranted accurate. It cannot get out of order, as there are no pivots or intricate mechanism. In detecting counterfeit Coins a child can use it as well as an expert with equal safety. Owing to the formation of the Detector they can be packed in boxes of one dozen each, measuring ten inches in length, three inches in width and one inch in depth, thus making the package convenient for agents to canvass with.

Will be mailed to any address on receipt of price, $1.00.

UNITED STATES GOVERNMENT STANDARD

Gold and Silver Coin Tester

AND

Counterfeit Coin Detector.

INSTANTLY DETECTS COUNTERFEIT AND LIGHT WEIGHT COINS.

GOLD COINS, $20, $10, $5, $3, $2.50, $1.
SILVER COINS, $1.00, 50 Cents, 25 Cents.

Approved by the United States Government, and now in use in all the departments, also Bankers, Brokers, Insurance, Express, Railroad and Telegraph Companies, Municipal and State Authorities, and Business men generally throughout the United States and Canada.

Gold and Silver Coin being out of circulation for years, is now becoming the chief circulating medium, and gives to Counterfeiters, and persons engaged in sweating, abraiding, filing, clipping the Gold and Silver Coins, a field of operation which they have energetically used by issuing Counterfeit Coins and sweating, abraiding, and making light the genuine coin in immense quantities.

With the M. B. Coin Tester in your possession, it is impossible unknowingly to take a Counterfeit or light coin.

Elegantly nickel plated, mounted on metal stands, with box and directions, carefully packed and delivered in good order, to any address, on receipt of price.

With each Tester we give the Full Standard and least legal current Weight of all Gold Coins.

☞ **We guarantee to redeem for a period of five years all counterfeit gold or silver coin which our tester fails to detect, thus affording absolute insurance from counterfeit coin for $1.00 a year.**

Gives Weight, Diameter, and Thickness, **three tests that the counterfeiters cannot overcome.**

☞ In case of having one of our GUARANTEE CERTIFICATES which we furnish with each Tester.

☞ Sent Free by Registered Mail on receipt of price, $2.50.

☞ Make drafts or money orders payable to the order of

M. B. COIN SCALE CO.,

189 FIFTH STREET, - - MILWAUKEE, WISCONSIN.

[illegible] Department
New [illegible]
[illegible]
[illegible] in the
States [illegible]
[illegible]
[illegible]
[illegible] Treasurer.

THE MINT OF THE UNITED STATES,
ASSAY DEPARTMENT, PHILA., PA.

This is to certify that we have examined the M. B. Co. Tester for gold and silver coins. In all ordinary cases it will detect false pieces, and is a good indication in all cases, of weight, diameter and thickness.

A. E. DuBois, Assayer.

WESTERN UNION TELEGRAPH COMPANY,
NEW YORK CITY.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] counterfeits.

[illegible]

[illegible]

[illegible] POLICE, NEW YORK, [illegible]
FIFTH DIVISION, MONEY OFFICE DEPT.
April 21, 1879.

[illegible] your "M. B. Co." Coin Tester and [illegible] in use in this division for the [illegible] months, and consider it all that it [illegible] be.

W. FLEMLEY, Gen'l Supt. M. [illegible]
JAMES S. COMBS, Supt. Steam Dept.
VINCENT COLYER, Retail [illegible]
CHARLES E. GREENE,

BOARD OF POLICE AND EXCISE OF THE CITY OF BROOKLYN, BUREAU OF EXCISE, MUNICIPAL DEPARTMENT BUILDING.

Having used Your Coin Tester for nearly a month, I consider myself a competent witness to its completness [illegible] to its ability to detect any counterfeit [illegible] it ever so [illegible] executed.

H. WADE, Cashier.

MOUNT VERNON, N. Y.

The "M. B. Co." has been in daily use [illegible] for several months, and we find it [illegible] answers your recommendations.

J. M. MASTERTON & Co., Bankers.

MANHATTAN LIFE INSURANCE CO.
156 BROADWAY, NEW YORK.

[illegible] Gold and Silver Tester in use [illegible] pleased with it [illegible] satisfactory [illegible]

H. B. STORRS, Ass't Secretary.

OFFICE OF T. A. HANDIN & CO.,
BANKERS, PEORIA, ILL.

[illegible] the M. B. Co. Gold and Silver [illegible] for some month [illegible] pleasure to say that we have found it infallible in the very [illegible]

T. A. Handin & Co.

[illegible]

[illegible] DEPARTMENT, WASHINGTON, D. C.
[illegible] NATIONAL BANK, [illegible], NEW YORK.
[illegible] COUNTY [illegible] BANK, INDIANA, PA.
[illegible] NATIONAL BANK, NEWPORT, VERMONT.
[illegible] Other 71 Broadway, New York.
[illegible] KENTUCKY, GEORGETOWN, KY.
[illegible] BANK OF LANCASTER, FRANKFORT, KY.
[illegible] NATIONAL BANK, AUGUSTA, ME.
[illegible] NATIONAL BANK, LYNCHBURG, VA.
[illegible] BANK OF MANCHESTER, MANCHESTER, VERMONT.

AND THOUSANDS OF OTHERS.

A RECEIPT IN THE ROLL

Stereoscopic views of Philadelphia
Centennial 1876

COPY 6-13-70 EMM
LIB. CO. PHILA.
1750 POCKET ALMANAC
ORIGINAL SIZE
(4)

A TABLE *of the Value and Weight of Coins, as they now pass in* Pennsylvania.

	Value. £.	s.	d.	Least Weight pwt.	gr.
ENgl. Guineas at	1	14	0	5	6
French Guineas	1	13	6	5	5
Moidores - - -	2	3	6	6	18
Johannes's - - -	5	15	0	18	8
Half Johannes's -	2	17	6	9	4
Carolines - - -	1	14	0	6	5
Dutch or Ger. Ducat.	0	14	0	2	4
French milled Pistoles	1	6	6	4	4
Spanish Pistoles	1	7	0	4	6
Arabian Chequins -	0	13	6	2	3
Other Gold Coin, *per Ounce* - - -	6	5	0		
French Silver Crowns	0	7	6	17	6
Spanish milled Pieces of 8. - - - - -	0	7	6	17	6
Other good coined Span. Silver, *per Ounce*	0	8	6		

The Proportion of Gold to Silver, in *England* is, as ☾ : 1 : : ☉ : $15\frac{1}{2}$.

1 Ounce Troy of Gold (22 Car.) is worth Sterling £. 3 17 $8\frac{1}{2}$

1 Ounce Sterling Silver, 0 5 2

NICKEL
CENT
CAPACITY
CENT — $10.00
NICKEL $30.00
CHATILLON
MANUFACTURED
ESPECIALLY FOR
J. SCHLANBACH
BROOKLYN N.Y.
JOHN CHATILLON & SONS
NEW YORK NY

The Coin Chart Manual ANS 1992
Thompson Brothers
compiled by J Thompson
2 Wall St
NY

1858
1859 compiled by J Thompson
1860 compiled by Thompson Brothers

the Coin Chart Manual
pink back wrapper

Compiled by J. Thompson
New York 1858

ANS 1992

Same in 1859 but buff back wrapper

THOMPSON'S

Bank Note and Commercial

REPORTER,

EDITED BY J. THOMPSON, BANKER & BROKER, No. 2 WALL STREET, cor. Broadway.

CIRCULATION---100.000.

The BANK NOTE AND COMMERCIAL REPORTER, having been enlarged, and its usefulness to the business community greatly enhanced, may safely challenge comparison with any work of the kind now in existence; and it is confidently believed that the same amount of useful matter cannot be procured in any other shape at double its rates of subscription. In the Reporter will at all times be found—

A full list of all the Solvent Banks in the United States and Canadas, and also a list of Broken Banks;
The rates at which the Notes of each Bank are taken in New York, Philadelphia, Baltimore and Boston;
A full and complete Prices Current and Stock Table, corrected with great care every week;
A Weekly Financial and Commercial Review,
With a General Summary of all such matters as bear on the Money Market, notices of new Banks, late Counterfeits, &c.

The Bank Note and Commercial Reporter is issued to regular Subscribers,

WEEKLY, SEMI-MONTHLY, AND MONTHLY,

ON THE FOLLOWING TERMS PER ANNUM, IN ADVANCE:

To Mail Subscribers—		To City Subscribers—	
WEEKLY	$2.00	WEEKLY	$2.50
SEMI-MONTHLY	1.00	SEMI-MONTHLY	1.50
MONTHLY	.75	MONTHLY	.75

AMERICAN GOLD COIN TEST SCALE.

I am now prepared to furnish the "COUNTERFEIT and SWEATED GOLD COIN DETECTER," an article of the first importance to Bankers and Brokers, and all others receiving Gold Coins. The great increase of late in the emission of spurious Coins and "Sweated" genuine pieces, has rendered our Gold Coins objectionable to many, and thrown a doubt even on the genuine issue. This "Test Scale," by its ready detection of the Spurious or Sweated Coin, will be of incalculable value to all parties receiving Gold Coins, while it will go far towards restoring confidence in our national issue. PRICE $1.86, including postage. Address PLATT ADAMS, 117 Franklin-st. New York.

Price raised to $1.86 from $1.50 without postage

NEW STEAM

PRINTING ESTABLISHMENT,

No. 117 FRANKLIN STREET,

(THOMPSON'S BANK NOTE AND COMMERCIAL REPORTER OFFICE,
West of Broadway,

NEW YORK.

EVERY DESCRIPTION OF JOB PRINTING, SUCH AS

Pamphlets, Circulars, Cards, Programmes, Labels,

HANDBILLS, NOTES, CHECKS, RECEIPTS, BILL-HEADS, TICKETS, &c. &c.

EXECUTED

PROMPTLY, NEATLY AND CHEAPLY.

☞ Particular attention paid to Bankers and Brokers Work. ☜

Platt Adams has become the seller.

size and ring of the coin is preserved but the debasement is detected by weight.

These counterfeits and debasements extend from the $20 to the $2.50, and even $1 gold coins, and from the $1 legal tender silver to the 50c. and 25c. pieces, and are such a character that they cannot be detected except by experts.

CHAPTER XXXIV.

APPENDIX.

Forms of Counterfeiting and Corrupting Coin.

Statistics gathered in the great cities, show that the crime of counterfeiting is on the increase. (How can it be stopped?)

The Fairbanks Infallible Gold and Silver Coin Scale and Counterfeit Coin Detector is the remedy. It will absolutely detect all counterfeit or debased coins. It has the unqualified endorsement of thousands of acknowledged coin experts.

The only Instrument in the World that gives the Three Approved Tests, Weight, Diameter and Thickness at one motion of the following Coins:

$20, $10, $5, $3, $2 50 and $1, GOLD.
$1, 50, 25, AND 10 CENTS, SILVER.

This Marvelous Instrument is Elegantly Nickel Plated, Extra Hardened Steel Knife-Edge Bearings. Put up in Beautiful Cabinets of Oak, Ash, Cherry or Walnut, with Full Directions Complete.

Sent to any Address for - - - $5 00

THE FAIRBANKS' INFALLIBLE SCALE CO.

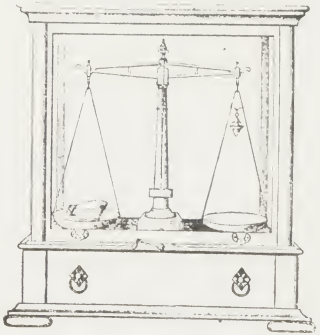
EQUITABLE BUILDING,

W. H. HARRISON, Manager. BALTIMORE, MD.

N. B.—We give with each instrument the Full Standard Weight and Least Legal Current Weights of United States Gold Coin.

This is the only Scale that Weighs and Gauges the New Issue of 25 and 50 Cent Silver Coins.

BANKERS' SCALES.



SPECIE BALANCE. Fig. 1.

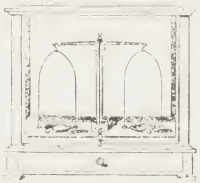
BALANCE FIG. 1. Very superior balance, in a fine polished mahogany case, with counterpoised door sliding upwards. Capacity of balance, 500 dollars silver, or 5,000 dollars gold. Can be used for weighing either. Has an extra scoop for loose coin. *A full set of Troy weights, which are fitted in the drawer of case, are included.*

Price $100 00

Same balance without a glass case, and mounted on a mahogany platform, ... $75 00

BALANCE FIG. 87. Capacity 1,000 silver dollars; for weighing either silver or gold coin; has an extra scoop for loose coin; on a mahogany platform; with screw feet and level. Balance is of the finest finish

Price (without weights)..... $115 00



GOLD COIN SCALE. Fig. 2.

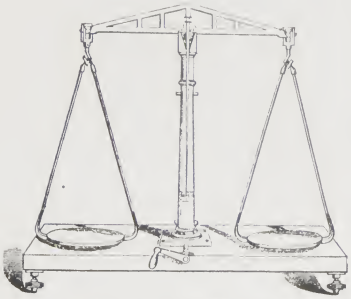
Scale is specially designed for weighing single *coins*, to ascertain if *counterfeit* or if below the current standard. In a fine mahogany case, with door sliding upward. Price includes a full set of Coin Weights. Read instructions in drawer.

Price..... $28 00

COIN WEIGHTS. Fig. 3.

In mahogany, velvet lined box, twenty dollar piece and down, including grain weights, all United States Mint standard.

Price $5 00



BULLION BALANCE. Fig. 4.

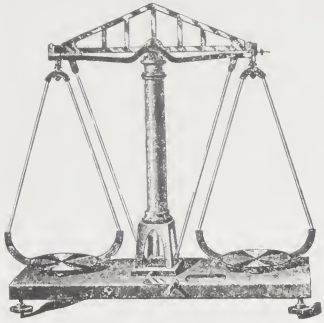
Balance has brass beam, pans and bow, improved raising apparatus, provided with glass level and leveling feet; adjusting screws on beam, etc. *A full set of weights* included; large weights are of iron, bronzed, those from 50 oz. and down are of brass, in a walnut block.

Capacity.	Weight.	Price.
500 ounces.	500 ounces.	$ 95 00
1,000 "	1,000 "	120 00
1,500 "	1,500 "	150 00

BULLION BALANCE. Fig. 172.

Balance has an iron beam, hexagonal bit, adjusting screws on beam; brass pans, price includes a full set of weights.

Capacity.	Weight	Price.
1,500 ounces.	1,500 ounces	$140 00



BULLION BALANCES. Fig. 5.

Highest Standard.

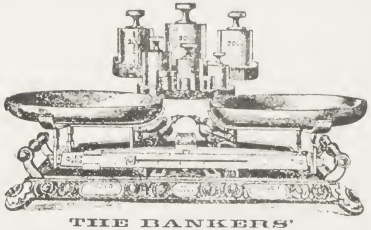
No. 175 BALANCE will carry 2,000 ounces in each pan; open brass beam, pans and arches also of brass; has the complex levers to arrest the beam and its hangings; platform is of iron, neatly japanned; has adjusting screws on beam; glass level and leveling feet; sensible to 1-200 of an ounce; price does not include weights.

Price $210 00

No. 176 BALANCE same as the above in all respects, capacity is 500 ounces in each pan, and sensible to 1 grain, price is without weights.

Price $160 00

ALL BANKERS NEED THIS SCALE.



THE BANKERS'

NEW IMPROVED GOLD AND SILVER SPECIE SCALE

For Weighing Gold and Silver Coin in Quantity. Does away with Counting in Receiving or Paying out Gold or Silver Coin. Complete with Weights.

A new and improved specie scale, designed for banks and bankers. The scale takes up but little room, and weighs with the greatest accuracy a single gold dollar up to a thousand dollars of silver at a single draft. It will verify the count, and give the actual value of abraded or the least current coin. It is provided with a full set of brass weights conveniently arranged, and a tare beam by which the amount of shortage is instantly ascertained, be it one dollar or twenty. The side beam has four gradations—for Gold, Trade dollars, Standard dollars, and subsidiary coin. On the platform of the scale are affixed two tables, one giving the weight of gold coin in drafts from 5,000 dollars to 100 dollars, and the other gives the weight of silver in drafts of 1,000 to 50 dollars. To weigh a draft of coin we proceed as follows: Supposing we desire to weigh $5,000 in gold, we look at the table and find the weight required is 268.75; we place the 268 ounces in the right-hand pan and slide the ounce poise A to 75, then put the coin in the left hand pan. Should the coin weigh light, we slide the poise B along the Beam until the scale balances. If this takes place with the poise at say 20, it signifies that the coin is that many dollars short.

PRICE $90.00 F. O. B. HERE.

THE FAIRBANKS' INFALLIBLE SCALE CO.,

Equitable Building, Baltimore, Md.

THE POUGHKEEPSIE NATIONAL BANK.

POUGHKEEPSIE, N. Y., April 10, 1896.

WALTER H. HARRISON, Manager,

Fairbanks' Infallible Scale Co.

Dear Sir:

We have in every way tested the worth of the Scales manufactured by your company and find the New Improved Bankers' Scales to be of the greatest service to us, and would recommend any one using scales to purchase those of your company. They will most surely be pleased with them. We could not do without it.

Very truly yours,

J. V. DEYO, Cashier.

THE NORTHERN TRUST COMPANY.

CHICAGO, ILLS., April 10, 1896.

MR. WALTER H. HARRISON, Manager,

651 Equitable Building,

Baltimore, Md.

Dear Sir:

We are in receipt of yours of the 30th ult., and beg to thank you for your table of weights. It will assist us very materially in using your valuable specie scale.

Very truly yours,

GEO. FORD, Asst. Cashier.

Govt Of Detector John S. Dye.
Apr 1878

CURING PACKING AND SMOKING

ESTABLISHMENT

JOHN BOWER & CO.,

PROVISION DEALERS,

S. W. Cor. 24th and Brown Sts.

JOHN BOWER.
FRANK BOWER.
W. ENTENMANN. } PHILADELPHIA.

Infallible Test for Silver Coin.

The only one approved and daily in use by the U. S. Treasury at Washington, the U. S. Mint at Philadelphia, and other Government offices, where it has been thoroughly tested by experts, who recommend it as being *Perfectly Reliable*, and the best they have seen. This instrument makes by one move the THREE ESSENTIAL TESTS OF WEIGHT, DIAMETER AND THICKNESS. It detects the most dangerous counterfeit instantly. It has already proved its superior merit in over fifty banks, where it has taken the place of various other tests. It is very neat and strong, made of hard brass with steel pivot, finely and accurately adjusted and cannot get out of order.

We believe every invention made during the last quarter of the century, for the detection of counterfeit coin has been presented to us for inspection and endorsement, but *with this single exception* we have always found them unreliable; we therefore take pleasure in recommending it as of great practical value for the uses intended. Nicely enclosed in a box and sent to any address, with postage paid, on receipt of price.

JOHN S. DYE.
605 Walnut St., Philad'a

PRICE, Plain, $2.00; *Silver Plated*, $3.00.

PATENT P. DOHERTY BASE PHILA

Thompson's Bank Note & Commercial Reporter 1/1/53 N.Y. last page only

ANS 1992

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THE

NK NOTE & COMMERCIAL

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uivalent to a local Bank Note List for each of the above cities)

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Wall Street, corner of Broadway, New York.

PUBLISHED

at $2, and Semi-Weekly at $4 per year,

LL BANK FAILURES, and a copy of the Coin Chart Manual, and Autograpical Counterfeit Detector, FREE OF CHARGE

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e years, under the name of THOMPSON'S REPORTER, this reputation of being THE BEST Bank Note List in the United s been enlarged, and now contains, in addition to a full list of ken Banks, the rates of Discount on Uncurrent Money in the iladelphia, Baltimore and Boston, making it equivalent to a r each of the above cities; the names of the Presidents ank, descriptions of all the Counterfeits, altered and Spurious w of the Commercial Market, compiled with the greatest care itors, who are constantly in the Market for that purpose, and RRENT, carefully corrected twice each week;—a semi-weekly a Table giving the prices of all the leading Stocks, corrected ables and remarks on Bank, Money and Commercial Matters o the man of business.

APHICAL COUNTERFEIT DETECTOR,

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es of the Presidents and Cashiers of all the Banks in the United States,

GIVEN FREE OF CHARGE

are one year in advance to the Weekly and Semi-Weekly

REPORTER.

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COUNTERFEIT GOLD DETECTOR,

OR,

American Gold Coin Test Scale.

I am now prepared to furnish the COUNTERFEIT and SWEATED AMERICAN GOLD COIN DETECTOR, an article of the first importance to Bankers and Brokers, and all others receiving gold coins. The great increase of late in the emission of spurious coins and "sweated" genuine pieces, has rendered our gold coins objectionable to many, and thrown a doubt even on the genuine issue. This "Test Scale," by its ready detection of the Spurious or Sweated coin, will be of incalculable value to all parties receiving gold coins, while it will go far toward restoring confidence in our national issues. Price $1.50 each. Address

J. THOMPSON, No. 2 Wall Street.

THE COIN CHART MANUAL,

Containing 1125 fac-similes of the various Gold and Silver Coins in circulation,

The largest number of fac-similes ever published, and has passed through 10 odd editions, is given FREE OF CHARGE to all Subscribers who are one year in advance to the

Semi-Weekly, Weekly, and Semi-Monthly

BANK NOTE AND COMMERCIAL REPORTER.

F. G. ADAMS,

BROKER,

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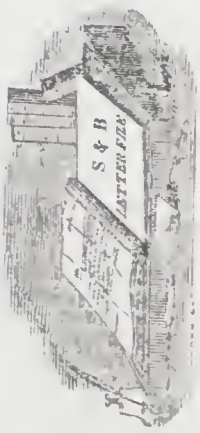

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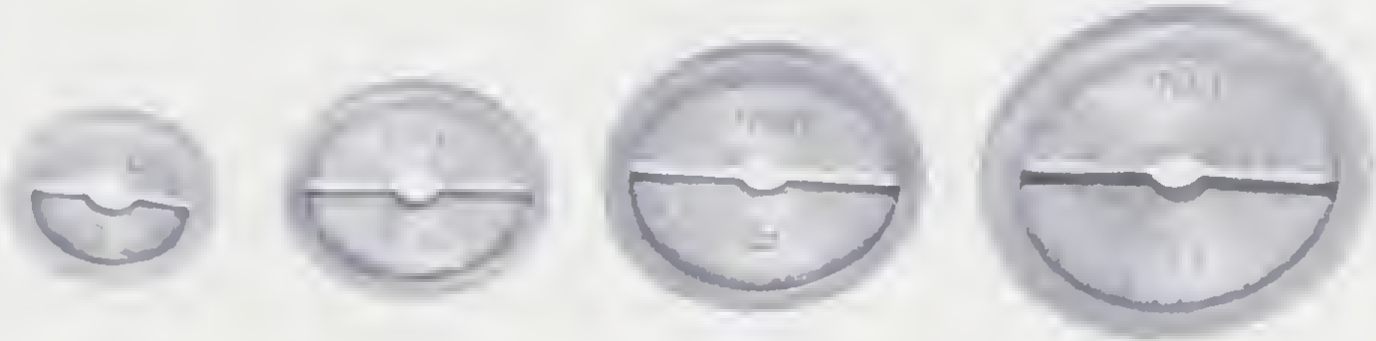
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